

othly Journal of Agriculture, Horticulture, Education and Demostic Economy, Adapted Wants of the People of the Mississippi Valleyco and to Descrite

SAINT LOUIS. FEBRUARY, 1855.

WOODWARD & ABBOTT, PUBLISHERS. EPHRAIM ABBOTT, Editor.

OFFICE 910 BROADWAY AND 203 FOURTH STREET, (Between Pranklin Avenue and Morgan strents) Entrance on Fourth street, ST. LOUIS, MO.

### TERMS.

THE VALLEY FARMER is published on the first of each cube, each number containing 48 large scievo pages (insing 8 pages devoted to advertisements of matters of

is 5 pages devoted to advertisements of matters of six of armitre), and is offered at the following rates:—
ingle copy, one year,
optics, \$3; seven copies, \$6; Fitteen copies, \$10
Payments, in all cases, must be made in advance—
sances in gold coins, current bank notes, or postage
s, may be made by mail at our risk.

Extra.—Postupasters and Merchanis throughout the
y nre authorized to act as Agents, and every friend o
terprise in respectfully requested to aid in extending
ulation.

WRITISING.—Advertisements are inserted in the RITISING.—Advertisements are inserted in the RITISING DEPARTMENT of the Valley Farmer at the many rates;—One insertion of 42 lines, \$1; such condition, 50 cents; 18 lines one year \$4; such condition in the condition of the page, one insertion, and the condition of the page, one insertion, and additional insertion, \$1; one nage, weak, \$400. ch additional insertion, \$5; on if six lines or less, one year, \$6.

### R. E. MOOV A. Link land

The office of the Valley Farmer is reved to the four story building No. 218 adway, and 203 Fourth street, between Morgan street and Franklin svenue, two doors below Jefferson Hall; entrance No. 203 Fourth street. The Editor of the Farmer may be found at the office at all times when not absent from the city.

# M worder PRINTING OFFICE and a re

The printing office connected with the Valley Farmer, at our new place of busipropagation training and will be given, we

order for executing every description of letter press printing. We have been making constant additions for several years past to our stock of materials, until we have now ample facilities for all kind or work. Persons at a distance wanting catalogues, circulars, addresses, labels, show bills, or commercial blanks of any kind, may rely upon having their work done accurately, promptly, and in the best style, at lower living rates. We respectfully solicit a share of public patronage. I quan so had

## Farmers' Warehouse, and

By the above notice it will be seen that we have removed our establishment to the large buildings near to the North Market. We have now spacious rooms in a very desirable location; and we intend doing a general agency and commission business in agricultural implements, tools, weeds, fruit trees, &c. We have now the agency of some of the best nurseries and manufactures in the country, and our arrange ments are such that we can supply any ticle in our line as cheap as it can b bought in St. Louis. We invite our friends to oall and see us when they come to St. Louis and we can assure them that if they send us their orders, they will be attended to with promptness and on the best terms nt . done the said of the

# banien Garden Seeds, it tellifw

We have for sale a choice lot of fresh garden seeds, put up by Landreth of Philadelphia, which we offer for sale at lowest the as noticed above, is now in complete rates, Orders for seeds to be sent by mail

brated Breeking Plow.

vill be promptly and carefully attended to. Call at the Valley Farmer office and Farners Warehouse, No. 218, Broadway, for therefore, we find that we made a few mischoice seeds.

# Feed Cutters.

Cutter, operated by horse power, we have ers will get mad because they received a on hand a supply of different kinds of bill, even if they did not owe it. Straw Cutters, operated by hand or foot, suited to persons who have only a few animals to feed. to eighteen dollars.

# The Corn Planter.

Our readers will find considerable space devoted to this implement. We believe the importance of a good planter to the tarmer -one that will plant straight rows each they could be with very little inconvenience way-is a sufficient excuse for giving prominence to an article which promi- ily. ses to answer this description. We have supply of them for sale at our office, and shall be happy to fill any orders from our friends. Price of the Corn Planter ten doltora.compositions W 'agometra's

off of the and Ham Plows. We have for sale at the Farmers' Warn house a supply of Samson, Walker & Cals Steel Plows—the "Belleville Clip. tisement of McGrew, Leas & Co. in this per." These Plows are fully equal to the number of the Farmer, offering Plants and best Peoria Plow, and considerably cheap. Seeds, for sale at Kankakea City, Ill. This The manufacturers say of them: is a branch of the Dayton Company, which This Plow of which we manufacture has contracted so largely with the Illinois different sizes, received the Diploma at Central Railroad Company. the late Agricultural Fair, and compares favorable with any other, in goodness of of Agriculture, appointed last fall to examine timber, steel and iron, and cannot be sur- hedges entered for premiums, made the follower, passed in workmanship—the lay and mould lowing report in relation to Mr. McGrew's are both steel, and the upright wrought hedge, awarding to ft a premium of \$25. from Thus durability is ensured whilst "Upon Mr. McGrew's farm, seven mile easy performance in cur clay woil. is pro- westerly from Dayton, the committee moted. Besides, the model is such, that found a Hedge which they most cheerfully whilst thirty-three per cent is gained in endorse, as being eminently calculated draft, the most perfect plowing is done; the for a "farm" Hedge. As Mr McGrew is whole of the furrow is turned, and the lay preparing an essay upon "farm Hedges" outs all that is taken. hw danly sidelales

brated Breaking Plow.

MINTARES.—It is impossible but that mistakes should sometimes take place, and, takes in sending out our bills in the December number. We are always ready to correct any mistake of this kind, and, In addition to the Pennsylvannia Feed therefore, we hope that none of our subscrib-

> There is yet a good deal of money due us on the last and previous years. Will The prices range from five not delinquents bear in mind that we are in the midst of an unexampled monetary pressure, and every dollar due us is imperatively demanded to carry us safely through, We do not wish to distress any person, but if the thousand little debts, ranging from one to six dollars due us were paid, which by those owing us, it would help us might-

# Remittances.

We shall, in the next number of the Farmer publish a full list of all the letters received at this office containing remittanoes, or upon matters of importance, from the date of last list published by us.

# Osage Orange Plants and Seeds.

Our readers will please notice the adver-

The Committee of the Ohio State Board

for the forthcoming Agricultural Report, in Also, for sale as above R. Owen's cele- which a full description of his mode of propagation training and will be given, we m-

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rould refer those interested to that paper." We shall look for Mr. McGrew's second say upon "Farm Hedges" with considerable interest, and shall lay it before our eaders as soon as we receive it.

Illinois Agency.

Messrs. T. WALKER & Co. of Belleville are general agents for the sale of Agriculfural Machinery, particularly McCormick's Reaper and the articles made by Sampson Walker & Co. Belleville. Our Illinois friends will do well to call upon them for See advertisement. these aricles.

### W. Jewett, Esq. B.

We would call the attention of stock angiers to this gentleman's advertisement, Mr. Jewett is one of the largest dealers in imported stock in the Union. We learn from him that he made last year some of the largest sales ever made in this country his sales having amounted to over \$48,-000, of which \$20,000 was since the first of September ties to bond was feeded!

# assind de Pike County Nursery. I hargain

Messrs. STARK, BROTHERS offer for sale their nursery in Pike County. This nursery is one of the best conducted and most popular in the country, and receives as it should a large share of public patroncompelse a sted bain a sened so

sop at Seea to got been a of welv a

GASCONADE Co .- A letter from Moun Sterling, dated Jan. 13th says: "Times are hard on the farmers here, but I could do without a good many of the necessaries of life to read your paper. We had a that the fly has not troubled looks well.

West-the length and breadth of the Mis-should be sown broad east and should have

tured better than I could have expected. The lint is lighter than last year, but the quality is good di au el bay teres the interest

aghts, on the oulti For the Valley Paragrain Blue Grass for Winter Pasture

Mr. Apport :- I wish to call attention to the subject indicated by the heading of this article, and as I do not rocollect ing the subject mentioned in the Valler Farmer, I propose giving the ball a roll of two, hoping some abler pen may take u the subject. Virginiting tonois base as

I remember when I was a little boy the people used to drive their stock beyond the settlement, in order to winter them on the cane. And I also remember, some twenty-five years ago, when people here in Missouri, used to drive their stock into the rush bottoms in some parts, to winter them, and run the risk of losing some of the weaker ones in the slough. Now, sir, if a good winter pasture is so desirable, is not the subject worthy of consideration ?-From my own experience in the matter, I propose sowing about one-fifth of my best farming lands and rotate like I do my clover, only I will let it stand four or five years. That intended for winter, should slarge lot of apple trees in this number at not be grazed in the summer and that intended for seed should not be grazed at all. I could tell you of a man in this county, who has forty acres of blue grass, which he kept up for winter grazing; he has a large drove of stock on it, and has not fed them up to this date, and has cattle far enough for good beef. G. M. Can

HOWARD COUNTY, Mo. at entireng sid

THE LITTLE GIANT .- We received, to late for insertion in this number, a new advery hard rain last Friday. The creeks vertisement of this celebrated Corn and were as high as ever I saw them. Wheat, Cob Crusher, now made by Messrs. Scott & Burt, in this city. The Little Gianthan received the First Premiums at every State LATAVETTE Co. - A friend at Dover (to Pair from Missouri to Maryland the past whom we return thanks for a generous list Fall, and that in the most complimentary of subscribers) writes as follows, Jan. 15th; manner. Prices, \$44, \$55, and \$68, acc "We are still very dry, our stock suffering cording to size, Address " Scott & Burt, every little freeze. The hemp crop is ma- Broadway, St. Louis, Mo. " at said had

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# Plax Beed

the name piece of land, a grop of wheat ment to farmers to turn their attention more one year, and the next year Flax; sowing generally to the cultivation of flax seed. after the wheat is taken off the stubble and a large quantity of flax seed annually. a good stock of clover is turned under by in addition to this, there have been several without exhausting the soil, and always We subjoin some practical directions: reaping profitable harvests every year; wall and mature of the soit, we is see h summer fallowing, as is usual with most seed successfully, especially such as are he is the practice when raising it for the lands, you get a luxurient growth of straw. seed leaven the land in fine condition for but not so much seed as when sown on almost any other crop ; a fact which is not upland. Clay, hardpan, or sandy lands, are

It is a very common practice to sow bar, loam, or prairie lands are good, especially ley and flax together, as they mature and if they are rolling and well drained. It fre harvested at the same time, and can be must be borne in mind that, a selection breshed together, and the two very easily with a view to a good crop of seed is quite separated with suitable screens in the fan, different from one for a good crop of This practice is meeting with much favor, fibre—the one requiring a harder, dryer and is said to be a very profitable method soil; while the other should have a low the barley, nor is the yield of barley less of the fibre was I you as drill as one a secount of the flax seed. But we give nan that the farmers throughout the entire should never be neglected of The sea

sissippi Valley can make the cultivation of It has occurred to us, that we could not flax seed a very profitable crop, not second serve the interest of our readers better than in value to wheat, corn, or any other; the to give them same thoughts on the culti- seed always commanding ready sale for ation of flax seed. This crop is exciting cash, at high prices. It is a remarkable nore than usual interest throughout the fact, that the demand for flax seed has inpuntry, on account of the demand for the creased for the last year from one to two bre, as well as the seed. but opportunity hundred per cent. The "Latourette Oil For many years, the most intelligent and Works," of this city, completed and in porough farmers in the older sections of operation the last year, are capable of con-Union, have cultivated this crop for suming one hundred and fifty to two hunhe seed alone; particularly, in Ohio. drnd thousand bushels per annum. The New York, and other Eastern and Middle proprietors of these works are offering to tates. The usual practice is, to raise on contract largely, and offering every inducehe flax early, so as to have it out of the The Collier Lead and Oil works, of this may in time for early wheat sowing, and, city. [H. T. Blow.] at o consumes about Rall plowing. There are farmers that Oil Mills erected this past year, within the rave pursued this course for twenty years, range of country trading with this city,

emers. The flax crop, when sewn thin, adapted to wheat. If sown on rich bottom generally known or appreciated in the better for a good yield of seed, though rich cultivating both barley and flax seed: rich, moist land. A dry season is faideed, some farmers assert that the yield vorable to a crop of seed, while a wet see flar need is not diminished by the growth son is almost indispensable to a good crop.

# PREPARATION OF THE GROUND.

items, more for the expectation that The ground for flax seed should be very farmer will make tests for himself, plowed the fall before, and again in the that he will take the statements as spring, and finely pulverised with a heavy stiled facts for all kinds of farms in all le- drags. Thorough deep plowing, and put alities: But nothingoun be more certain, verising the earth, vas far as possible set—the length and breadth of the Mis-should be sown broad cast, and should have

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and, to this end, a brush should be used your seed. instead of a drug, so as not to cover the QUANTITY OF SEED, and togethe seed too deep. The field should be laid

## TIME OF SOWING.

KIND OF SEED.

flax seed, without any mixture of foreign bushels per acre. seeds. Too much care cannot be taken on this point. Be particular to riddle out all yel- Flax seed should be cut before it is

es light a covering of earth as possible, obtain the highest price when you market

Much difference of opinion exists in reoff in furrows or lands, and trenches run gard to the quantity of seed to be sown per with the plow to carry on the surplus acre, but the probability is, that the quantity should be varied according to the condition of the ground, season, &c. The most It may be sown as early in the spring as successful raisers practice very light sowcan be done with safety against frost - ing, some even as low as eight quarts per Many persons pay no attention to frost acre; but a fair average quantity for all and sow quite early, some even sow it on farms and all circumstances is, say, from the snow in February or Murch, as about twelve to twenty quarts, when the crop is nineteen cases in twenty frost does not cultivated exclusively for the seed-thus injure it; but there is a particular stage of securing plenty of room for the stalks to the growth of the young sprout, when, if stand upon the ground and spread out the frost takes it, it will perish, which gives their branches, and giving the sun access the preference to ordinary spring sowing, to their roots, and securing strength of If not sown till rather late in the spring, it earth for nourishment and maturity of the frequently does not get sufficient growth stalk. When sown thin, the stalk branches before the dry weather overtakes it. There- nearly down to the ground, and each fore, sow late enough to avoid frost, and branch is loaded with bowls. When sown early enough to secure early spring rains, thick, the stalks are spindling and weak, and often have but a single berry on the Particular attention should be taken to top, and, perhaps, no seed at all; besides get large, full, and well matured seed for exhausting the soil to a wonderful rate. A cowing. Where the crop has been very piece of ground that has been burthened thick on the ground, the stalk is pale and with a thick mass of flax fibre, is good for weakly, and does not afford sufficient ma- nothing for years after. When sown thin turity for the berry, and seed from such a for the seed, the fibre is very short and prop should always be avoided. The best coarse; but in the new linen process, as plan is to have one corner of a field sown well as for the paper mills, is quite equal on purpose to get seed for sowing the next to the fine fibre. in Ireland, where the year, and on this corner, the less seed you finest linen is produced, it is not uncommon can get evenly acattered over the ground, to see as much as twelve bushels of seed the more vigorous and matured will be the sown to the acre, so that the stalks are little stake and the seed. There are different above fine threads, growing up through varieties of flux seed, and some are prefer- each other in a dense mass, and producing able to others for their seed yielding and oil no seed at all. In Russia, the German producing qualities. But it is so difficult to States, and other portions of Europe, and get any pure species, it is, perhaps, better in India, the quantity sown is regulated to disregard varieties, and select seed for more to a view of both seed and fibre, and its apparent goodness. Always sow pure the quantity ranges from 1 1-4 to 2 3-4 tiving on longilm family

# TIME OF HARVESTING.

low grass, cockle, mustard rape, or other quite ripe, when the bowls are beginning seed, and starting with a pure seed, you will to pass from the yellow to the brown color, have no difficulty with fool stuff, and will and it is better to let it lay a few hours, always have the greatest yield per acre, and if the weather is dry, before binding it up,

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that the seed can fill and ripen from the manufacture and sale of Lincol and Canter of nutriment remaining in the stalk. If it is for the manufacture and sale of Lincol and Canter of Morgan AND SECOND STREETS, St. Louis, J.

The crop can be cut with the cradic, or CATOR BEARS, to be delivered next rain. In any of the usual modes. After laying in the swath a few hours, it should be bound to be swath a few hours, it should be bound all cases to be made in gold and silver.

See in bundles and put in stack, or barn, secure from the weather Some farmers mow the crop the same as hay, and handle it in bulk; but the best way is to cradle. rake, and bind in bundles.

# THRESHING-TIME AND MODE.

It should be threshed as early in the fall as possible, and in a time of dry weather, for if it lays too long, the seed is apt to adhere to the shell, and is more difficult to thresh and clean up, and for the same reason, it should not be threshed in damp weather.

# CLEANING UP AND MARKETING.

The seed should be cleaned up on a barn floor, and in still weather. When it is cleaned up in the field, or when the wind is driving dust about, the dust and dirt gets in with the seed, and a great deal adheres to the seed, in spite of all efforts to clean it with the fan, causing it to look dull and duaty, and the oil makers will not buy it as prime seed. When it is cleaned up and ready for market, it should be put into new, strong bags; for there is no other seed, or grain, that will creep out of so small a hole, or that is so likely to burst the bag. If the seed is plump and clean, and your half bushel is correct, you will find that it will more than hold out by weight. The standard weight of a bushel is fifty-six pounds, and you will find that prime seed will go sixty pounds.

P. S .- In connection with this important subject we give the following notice from the proprietor of the Latourette Oil Mills, offering to contract for Castor Beans and Flax Seed. The farmers of the West will do well to pay attention to it

\$1.25 per bushel. of valo a reducew edition

# LATOURETTE PATENT OIL WORKS.

proportion of the seed will be lost in gathering the crop.

HANING completed these works, and below fully pared for a large business, I can offer unusual inducements of a large business. I can offer unusual inducements of armoral settled in the case of the control of the control of the control of the control of the can rake.

NANNER OF GATHERING.

The crop can be cut with the cradle, or Caston Beans, to be defired next fail.

## mi of makendollaCake. saverner vaste

Too little has been thought of this article by our stock growers, indeed, it seems to have escaped the attention of most of our farmers. It is a remarkable fact, that of all the oil cake manufactured in the West by our oil makers, about nineteen-twentieths finds its way to the old country. England is the largest oil making country in the world, and her farmers not only consume all the oil cake, made at home, but most of that produced in this country. One pound of oil cake is estimated to be equal to three pounds of corn in nutritious qualities; and cake shipped from this city to England, costs the farmer, say three cents per pound. While here, the same can be had at our oil mills, at about one cent per pound, in the greatest abundance.

Horses, cattle, and sheep, will eat it with avidity, and thrive wonderfully on it, the is especially good for old, stiff, hide-bound animals, and will soon make a wonderful change in their vigor and appearance. A small quantity twice a day, fed with bay, or cut feed is the best. Too much of it, at first, will cloy an animal, especially if they have not been accustomed to it for some time. It is especially good for milk com, increasing the quantity and quality of the milk. Also, for sheep, fed with chaff or straw. Also for poultry and hogs.

# For the Valley Farmet The Jeniten.

The time is at hand when farmers look over the catalogue of Nurseries in their reach, to make out an assortment for the Plax seed is now worth in this market new additions to their orchards, or to plant out new ones. The projected railroads in

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majority of the selections fall on the newer, paper, I will do it now. v less tried-partly exotic kinds-neglecting dred there were seventy-five Jenitens.

The is the whole machine . . invosein a

it is a regular annual, good bearer. The rels, and commission. deducted. fruit is of more than medium size, makes at least, as well as any other variety.

In my opinion, the Jeniton is yet one of with tin, and set with pikes, swelled by mers; if I am mistaken, it would be a benwere made known. Phe invertior.

law an Respectfully yours, many a hour

Bill of moderate animalulus Mallinkhod .. AUGUSTA, Mo., Jan'y 23d, 1855.

Visys mil is instant land and Por the Valley Parmer. loaned has a Augusta, Jan'y 27, 1855.

A few weeks ago, I sent you an article stating my opinion, founded on experience, that no newly introduced kind of apples did for Missouri, reach the value the Raleigh Jenet, or Jeniton, for farmers who plant an orchard for the sake of renumera-

duce the farmers and other men of enter- kind, growing in my garden, and planted prise, to enter into this improvement on a in the spring of 1837. But as I have not larger scale. Now, as a nurseryman, I done it, and supposing it might be interesthad the chance to notice already, that a ing to many of the readers of your valuable

I have in my garden ten Jeniton apple our old and tried friend the Jeniten, or trees to full bearing, of which I picked two Rawle's Janette, as may be it is more hundred bushels of apples one season, beproperly called. In former years, farmers sides the falling ones. The next season, bought of me, sometimes nothing but Jeni- they bore not so much, the previous crop tens; generally, in an order for one hun- being so large, that the trees had not so much chance to form buds for the following Now, I would not insist so hard in the season. The last season my trees had infold beaten track, was it that the new kinds creased greatly in aize, and would cerhad proved in the generality of desirable tainly have brought me thirty bushels to an points, superior to our old tried friend Jeni- acre, had not the blight partly destroyed ten. But, to now, I have not yet found the fruit spurs with the formed young apone of the fashionables, capable of con-ples on them, Notwithstanding, I earned tending for the first range, with our Jeni-last season. about 180 bushels of apples ten-s native of the West, and likely of from these ten trees. Part of them were stung by insects, which, together with the The Jeniten is a thrifty tree, forms na- bruised ones, I made up into cider. As turally, a peculiar but well shaped top, cider, they brought me net my labor, not puts out latest of all varieties, which saves counted fifty cents a bushel. The selected mosten the blossom when other varieties are ones I sent to St. Louis, and think to reaoffrosted. It bears its fruit all over the limbs lize one dollar per bushel net, freight, bar-

As I am talking of cider making, I think first-rate, and a good deal of cider, with- it but fair to state, that I procured last seastands freezing when once housed-keeps son a cider mill and press, the manufacture well, and sells in the West by quantities, of Mr. Hicock, of Albany, in St. Louis. In using it, the wooden cylinders lined whe most profitable kind of apples for far-moisture so much, that the mill was not fit any more for grinding. I thought alefit to the public, if the superior varieties ready to be humbugged, but my letter to the manufacturer, Mr. Hicock, in Albany, was promply answered, and two new cast iron cylinders delivered to me free of charge, with the offer to refund the charge of a skillful mechanic to put them in the

> The cider mill and press of Mr. Hicock works now to my entire satisfaction, and I would not be without one for double the Yours respectfully, cost .

> > TION STEELING MALLINDRODT.

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what income I had from ten trees of that
be upheld in this country.

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noticed in the Parmer the earth. A sliding-tongue. When entering the

cut given above, that it is a hand planter, choked, or in any way obstructed. Then, No team is required to work it "It is hight, the tongue is raised out of the tube, and weighing less than ten pounds, and, a man allows the corn to drop through the tube can take it in his hands, and walk over the to the bottom, where it is left to grow, field with it, only setting it down at every second step to plant his two hills, then pas- A cup is hollowed out in the tongue, to sing on to the next two, and so on, as fast measure out the corn for each hill. Br as he pleases to walk over the ground; for turning a small screw this cup may be It is a double band planter, putting in two made larger or smaller, so as to hold any hills at once.

It is very simple in its construction, being, in this respect, one of the most remark. (as the slide passes down,) all the combut able machines ever invented. It has been what is within the cup. to select sense said that "the wheel-barrow is the simplest of all machines, as it has but one wheel," gle part can be dispensed with, and not . This planter is simpler still, for it has no one more is needed. wheel or spring; it has only a sliding tongue, which is raised and lowered by the case and simplicity of its use, may rather same downward and upward movement of be called a tool, and be classed with the the hand, that sets down and takes up the hoe, the shovel and the spade. It even machine.



As will be seen in the cut, it consists of A cross-bar to connect the two halves ad the machine diameter falling a

An upright to extend from the cross-bar To the ground. ord bas illen rebis on l

A brace to keep the upright in place, strengthen the machine, and furnish a fulcrum for the lever. or bruc ? cost.

A reservoir to hold the corn.

\*In the large figure in the cut, an fron brace, and two in cach hill.

brace of smooth (see shown in the manifered). For these, a in cach hill.

brace of smooth (see shown in the manifered) has been substituted with decided advantage.

This new agricultural A tube at the bottom, about two inches implement was briefly long, to go down the desired depth into

> A sliding-tongue. When entering the give a more full descrip. ground, the end of this tengue remains within the tube, extending down to the very tion of it, and its use. within the tube, extending down to the very it will be seen by the bottom of it, and thus prevents its being

> > A lever to raise and lower the tongue.

amount of seed the farmer may prefer.

A brush, o brush off and keep back,

This is the whole machine. Not a sin-

This machine, on account of the perfect surpasses these simple tools in the simplicity of its use. For it requires but two movements, one down, and one up; while they require at least three movements, one to strike them into the earth, one to more the earth, and another to raise them again to the proper position for the next blow. For simplicity of mechanism and case of working, it is unsurpassed.

The inventor, rightly judging that w good a machine is worthy of being well made, has paid particular attention to this point. No pains appear to have been spared to secure the best material for every part, and the most thorough and perfett workmanship. The result is, a light, yet strong and durable machine, working with perfect ease, freedom and regularity.

Such is the Planter itself. Now for the results of its work :

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5. It plants the kernels close together in provement. It revoc at and person at an entitle a little row. This favors close and clean cultivation with the plow or cultivator Cross Marking.

has been fairly tried. Its mode of planting ed soil. or four hundred acres of corn. rious objections, revision seates for several forms

up better," "had a better growth," "stood think a moment to perceive this clearly. stronger and firmer in the ground," was We turn up furrow after furrow, two

and the same depth, in every hill. planting, but it saves more in cultivating."

3. It presses the earth under and around An implement that will do all this, or the seed. This favors moisture, and in even the half of it, must usher in a new era dry weather the corn germinates better than in corn planting. Five hundred acres of that planted in other ways, while in the corn, dropped and covered in fifty days by compressed earth the young plant be the easy work of one man only, and done comes more firmly rooted. better than by the present method, is no 4. It covers the seed lightly, yet suffi- small matter. It is a great step in advance. clently, thus allowing the blade to spring A few such steps as this will place agriculup freely, and develop itself in the highest ture by the side of manufactures and steam degree of perfection. navigation, in the march of modern im-

alone, and gives the weeds no chance to ... In laying off the land for planting corn. grew among the corn. we have, hitherto, sought to secure three 6. It does its work with such facility and things-straight rows; a uniform distance, expedition, as to make a great saving of usually about four feet each way; and a time, labor and money. drill, or furrow, in which to drop the corn. This is not theory. The new Planter Sometimes, we wish, also, to stir the hardenmantrul woole, a farmers of the proper

has been put to the test of actual and ex- To effect one or more of these objects. tensive use in the field. In Dr. Leigh's various methods have been adopted. The advertisement, published in the present tooth-marker, or the runner-marker, and number, will be found the statements of the plow, are most used. Where the field some eighteen farmers who used this ma- is clean, the runner-marker answers quitechine last season, and planted with it three well. To the plow method there are se-

The results, as stated by them, are most lt is too slew, it marks off but one row atremarkable. Not only did one man plant a time.

eight or ten acres, or even more, in a day, It is expensive and toilsome. Instead and do it "easily," thus "saving an im- of being a labor-saving method, it is the mense deal of labor," but the corn "came very opposite. We only need to stop and

"easy to tend," and even "tended twice miles to the acre across the field one way. well," and "gave a better yield" than and then as many more athwart the other hoe-planted corn by the side of it. way—making four miles to the acre, and These are large statements, almost too all just to make little holes some two inches large and too good to be fully true, and yet deep, to drop in a few kernels of corn at the there seems to be no reason to doubt their crossings, and then we send another man; correctness. They certainly deserve at plow and horse, toiling over the field again, tention. It is especially worthy of notice, turning back the long fuerows, two miles that corn planted with the machine in more, just to put an inch or two of earth dry weather, came up sometime before over these few kernels. Eight feet of furhee planting which was done at the same row turned up to make a hole large enoughand that the regularity and closeness for a half dozen kernels of corn, and four of the planting secured so clean and easy feet more turned back to cover them !cultivation, that Mr. Boone, of Beliot, Wis., Must we still go on, moving tons of earth. espa of consider it a great saving of labor in in order to get a few ounces in the right

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place I We have done it hitherto, without It prevents planting too near the hard, cold sufficient reflection, and not yet knowing subsoil. The level action is the best for

has been pointed out to us; one that is not dium. at stide avais without belaste take only quick and easy, and labor saving, but 2. It makes a wide mark, within which also clears the ground along the rows from the plow point, or cultivator tooth, may stalks, clods, &co., and prepares the way for pass, and not tumble lumps and other closer cultivation with the plow, without coarse matter upon the corn. disturbing the young hills of corn. It also 3. The sifape grades, makes a level mytrue as we please, and to cover the hills all roots. alike to exactly the right depth.

inventors of the new Corn Planter, which work at that, on above oil sorry bus souls offers us so great facilities in getting in our "If we wish to stir and pulverise the soff" corn. Being western men, living in the along the rows before putting in the seed, midst of western corn fields, they have ap we need not take the plow. That is too tell their practical good sense and keen slow and moves an immense amount of powers of observation, to discerning the earth needlessly. We have only to insert wants of western farmers at the present time, a small cultivator-tooth at the point, or and have taxed their ingenuity to supply forward end of the wedge-marker, (see the these wants in more than one respect. In figure above). This will stir the ground laying off the ground, they aim, not only to all we can desire, and in the right place," make straightrows at the right distance each leaving the rest of the soil to be stirred at the line of the row, so as to prepare the way the corn after it comes up. It is necessary to for easier and better cultivation afterwards; stir and turn the soil. Few persons dothis ed, though some have tried to attain it im- it is good economy of time and labor to perfectly, by harrowing in the corn - a very move the soil at the right time, in the right objectionable method. The method em way, and just enough to secure the object ployed to secure these objects is this:

feet long, nine inches high, nine inches an unwise and wasteful expenditure of time across the head, the front end brought to and labor. an edge and shaped like a runner, shows

ground.) four feet apart, or at whatever dis. kick the earth over it, as some now dotance you wish to set the rows, a scantling Bven this would be better than covering should be laid and pinned. The tongue with the plow-now too deep, and now to should be so framed into it, that, when one shallow, and anon, pushing the seed out

.. The following are the advantages of this sub-soil; some to struggle through the over method to snor guivem, ac og fits ou !

of any better method. teum, it is lied out to securing the warmth and air, and is not at But recently, a " more excellent way " exposed to dryness. It is the safe mean

enables us to make the rows as straight and face, and moves aside old corn stalks and

4. It marks three or four rows at once. For this method, we are indebted to the The plow can mark but one, and hard

way, but to level and clear the surface in the proper time, when we come to cultivate an object that has been generally overlook. sufficiently. It does not hurt the ground; but in view. The method here described, so A wedge-shaped piece of timber, three complishes this; the plow method involve

The ground being marked out in the the form to be used for each mark, thus- manner, we might go on in the old way-Upon two or four of throw the corn into the middle of the cross these, (according to ings, press it down an inch or two will the nature of the the foot, and then cover it with the hoe, w end is in the neck yoke, the marker will its place and leaving it there; some toget be level on the ground. minate too slowly, far down near the col lying mass by which it is loaded to such a 1. It does not work deep into the soil, depth, that it finds the light of day will

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difficulty, if it ever succeeds in reaching it; the effects of subsoiling, which I am not die and rot, and be planted over again; and prise. some to come up so far aside from the row. Union Co., Ill. as to stand in the way, and be torn up by tivator comes along.

over the seed? In this way, we can depo- beneficial at any season of the year. site the seed at just the right depth with perfect uniformity. sub-nut-timet assession

It is to accomplish this, among other objects, that the new Corn Planter is designed. And it is most admirably adapted to effect this object with great speed and precision. Webelieve, that all who adopt these methods of marking off and planting will gain immensely, not only in getting in their seed, but in after cultivation.

# tolla slow Good for Egypt.

DEAR SIR:- Enclosed I send you six ten dollars, subscription money for the VALLEY FARMER. By referring to your books you will see that I have been a subenber to your valuable paper ever since both to the present time. Sometimes have succeeded in getting up a small club. and sometimes I have sent on my single dollar. This year, however, I set out with a determination to get up a club "as is a club. " Considering that I live in Egypt, I have exerted myself to the utmost in my whole county, and have succeeded in getling 24 subscribens. I will still try to get all the subscribers I can, as I see the great the dlub let it be seeds. Jean'y went wouth

Here I would ask through the medium to subsoil land for corn. I am about to test good traits.

some to aprout quickly and then dry up from aware has ever been tried in Southern Illibeing too near the surface; much of it, nois, notwithstanding it is a fine farming from one or other of these causes, to country of considerable wealth and enter-

REMARKS .- When the ground is surface the roots when the "go-ahead" plow or cul; plowed it should be subsoil plowed. Ground plowed in the full and subsoil plowed, will But there is a still better way. We are be in condition for planting earlier than if not obliged to move the earth upon the seed, plowed in the spring. We think the best to hoe or plow, or kick, or drag the earth way to prepare ground by subsoil plowing, over the corn. In no such way can we would be to plow the surface soil and the secure a uniform depth. and just the right subsoil in the fall, then plow the surface soil depth in covering. Why not put the seed before planting in the spring. The advantaiste the soil, instead of dragging the soil ges of subsoil plowing are permanent and

> GOV. MATTESON ON AGRICULTURE.-In. his message to the Legislature of I linois; on the opening of the session of the Legislature, Gov. Mattison thus speaks of the agricultural interests of that State;

"The agricultural interests of the State has in a great measure been overlooked by the legislature. I would call your special attention to this subject. Agricultural prosperity lies deep at the foundation of national growth. Having a soil of remarkable fertility, with a uniform, average quality, she has the inherent qualities and capacity for the support of dense population. To develop these advantages to their utmost extent is to every citizen a subject of great interest and importance. To carry out and encourage his subject, two State fairs have already been held, and have given evidence of valuable results. Perhaps no better means can be devised to stimulate and encourage agricultural advancement, and it is submitted whether the appropriation. from the treasury, in aid of these objects. may not be increased to three or five. thousand dollars a year, with great profit, to that interest in our State which is at the foundation of all greatness. I'm fulnecessity for such a paper in my vicinity. ly satisfied that the State would in the If you send any thing to me for getting up end reap a rich reward for all money expended in this way." Mara sho and it . Ilis

In the intercourse of our life, we are more of the Valley Farmer when is the best time frequently pleased with our faults than our

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# GYPSUM OR PLASTER

Monnon County, Ich., Jan. 23d, 1855.

fined to the house with effects of a severe used sparingly until after peace was conattack of influenza, in order to keep off cluded. In 1817, if my memory serves ennui, I must read, write, and do as well me right, my next operation was plastering as I can to employ my mind. I received corn—as it was called—that is, taking a the January number of The Valley Farmer, quantity of plaster in a bag as we called for 1855, in which I see an inquiry from it-some would say sack as much as the Mr. J. R. Ethridge, of the most approved operator could conveniently carry, from

become owner and occupier of some land was always preferable, if it could be done myself, in this county-which was in a when the ground would be wet, after rains, state of nature five years ago-on the or when the dew was on the corn, that the of St. Louis, in the State and county above the leaves to the joints, and as the theory named.

county, Pennsylvania; and Washington spoon operation. and Frederick counties, Maryland, as to While servant boy under my uncle after the beneficial results of plaster. Plaster, 1918, I sowed nearly all his plaster, and at one time, was much used there, and at did my part at plastering the corn, as we this time, more or less. Of course, my termed it. own observations will not be so extensive. There was not so much regard paid to and as hirelings are not treated, in general, time and proper state of the ground for so being very observant and intelligent in sowing plaster by him, as he really acknow. some quarters, their means of acquiring ledged, and results not unfrequently show sgricultural knowledge will be circumscribe ed it in the crops themselves.

The first I had to do with pluster was in of the most prominent farmers favored the 1815. 1, with a bag of plaster ground fine as opinion, that half a bushel to the acre dess flour, a tin dish, and a table spoon with near, or quite as much good to the the half the handle off, was taken to a few growing crop, as a bushel. acres of corn, and first shown how to oper. Plaster was extensively used in all kinds ate, with directions to put two speconsful of of grasses and grain, and even on flat fore plaster around the stalks of corn on each number of years, until the rust began is hill, if but one stalk. one spoenful; what attack their wheat, rye and pate. The the result was, I do not know, but I do know opinion took then, that plaster gave took the operation was a tedious one. I was orous a growth to these grains, kept the

For the Valley Farmer. transferred to an uncle, married to my mother's step-sister, before the corn was matured. In convequence of the war with Mr. Ass. rr-Dear Sir: Being con-England, plaster became high, and was method of applying plaster. which he would take a handful, so as not to I was a farm hand from my eighth year drop any, and scatter on the top of the until my twentieth, and have been a culti- blades of growing corn, which was genervator of the soil, more or less, as a laborer ally about the time the stalk would have or renter, up to 1850, since when, I have three or four leaves, sometimes later. It Mississippi Bluffs, twenty-five miles south lye drawn from the dust would run down ran, to the roots. Plaster would show no My object in this communication is, to effect if the ground was dry, until after speak of the application of Plaster to the rain, no matter if two or three weeks would different kinds of grasses, grain and bul-elapse. From one half to a bushel, was bous plants, so far as it comes under my about as much as I ever helped to put on notice; and as I heard the opinions of by dropping on corn, or sowing broad-cast different farmers expressed in Franklin to the acre, on grain or grass, except by the

od to narrow limits. 4 left that country I found that the quantity above mention for this in 1845.

had for corn. I am about to test good traits.

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pt the Licensian of green too long-hence, overtaken by the light your cigar with it, and thus consign it fore I left, in our parts, and not long after, the blues while writing. quit plastering their oats, corn and clover, and most of their grass. Plaster is still sed; mostly, on corn, by dropping; sowing broad-cast on clover and grass.

If ground plaster were come-at-able, and not too high, any person might prove to his own satisfaction its effect, by sowing broadcast on a clover patch, or platt of grass, by leaving strips ten feet wide between.

The finer plaster is ground the better; but the finer it is ground, the more calm should the weather be when sown. When a farmer's system will permit, morning and evening, when there is little or no wind, The time of year we sowed our plaster was April or May. April for grass and grain, latter part of April and first of May for clover. Some would sow as early as possible in April. I never saw any striking difference in soils of like nature and fer-

to \$10. Twenty-eight bushels is what a tivated, it will bear equal to the cherry. ton of well ground plaster will make-half "The fruit is pale red when ripe, very neighboring farmers to haul it to the mill, too sweet—no tint of acid about it." have planter mills attached 7

just or mildew. They had quit plastering to oblivion. The writing of it has given heir wheat and rye, some eight years be- my mind employment, and relieved me of

# Fruits and Grains of Oregon

Mr. Wm. Ruble, who emigrated from Barry county, Mo., to Polk county, Oregon Territory, in the spring of 1853, and who finds that he cannot get along without the Valley Farmer, has sent us in a letter enclosing the pay for the Valley Farmer for hve years in advance-packages of some of the seeds of rare fruits growing there, which we shall endeavor to have properly tested in Missouri. We thank Mr. Ruble for his kind attentions, and hope to hear from him often. We have a large number of subscribers in that Territory, and any thing from them is always received with thankfulness. In Mr. Ruble's letter he says pred maintrester

"Enclosed I send you some seeds of our wild forests. I send you about one dozen We could buy our plaster from 37.1-2 Tew seed. This is a fruit-bearing tree cents to 50 cents per bushel at the mills. To here, and not one out of fifty people in Oregon buy a ton, or half ton, we generally would know it, owing to the squirrels gathering it get 28 bushels, strike measure, for \$8 50 before it matures. I think that when cal-

s ton at the same rate. The difference in near an inch in diameter; very round; one price would be mostly caused by the dif- seed in the centre; a deep uniform cavity wence in price of the different years in at the bloom, and reaching to the center Haltimore, for the stone. In my young of the berry, and laying bare about one days, the farmers would bring the stone half of the seed, and of about the same from the city to the mills. Millers would size of the seed. This cavity is unlike all grand it for them for \$2 per tone But since others that I ever saw; it passes from the be public improvements are opened, mil- bloom at the surface, being the same size lers go to the city, buy the stone, ship it to at the center and circumference, and upon the nearest point to their mills, hire the the whole, is a tolerable good fruit, rathe and they then supply the farmer with what I send you some salmon-berry seedthey want. Many of the flouring mills will These berries are a great favorite with some here, are about one inch in diameter, Thave said this much about plaster. If shaped nearly the same as one end of an you think it will be of any service to any of egg, are hollow inside, bear seed the same he numerous readers of the Valley Farmer, as the blackberry, and resemble them very you are welcome to lay it before them. "If much, except in color—one variety being you think otherwise, if you are a smoker, nearly a gold yellow, the other a scarletyou. but they are missing now, and tasts sho "Tuen there are growing here a wild rvice tree, highly worthy of cultivation. The berry is large brown, having the same flavor as the service berry of the States; but unlike it, it blooms after the leaves put forth, and is quite a different bloom, it is white with a narrow tassel. The bloom dands in clusters, and the fruit grows in dusters like currents. It comes out after all danger of frost is past, and is a very prolific bearer; some of this seed I will send next season. Nurserymen here say, that the wild raspberry is far superior to all the tame ones that they have. I am now testing its cultivation, and if it proves to be what I anticipate, I will send some Thave had opportunity to test seed of it. one of this fruit dried, and I consider if the best dried fruit known, Any thing se you may desire, I will try and send I send also, the product of one head of

"I had forgot to say that the Tew tree an evergreen, and very much resembles the cedar, is more wide spreading, and makes a very pretty ornamental tree, is fond of moist soil and cool exposure. The salmon-berry is fond of moist, sandy soil, such as an island."

large white smooth wheat-111 grains.

the conter and of WILLIAM RUBLE. CINCINNATI, Polk co., Oregon Territory.

this letter was written. I find it badly ed to the top, in which nothing will grow-eriviled, which was owing to its being This caution may be, and no doubt is wer green when the wheat was cut in which it well in those latitudes, but it is hardly as stood. I have much better samples of cessary here. We have seen some de wheat, but this I send on account of so plowing in the west, but we have never many grains in one head, being 111.

For the Valley Farmer.

MR. ABBOTT :- I have been taking the Valley Farmer for one year, and am well pleased with it; I would hardly be without it for five times the subscription price. have been a practical farmer for nearly forty years, and subscribed for the Valley Farmer, because I love to read, and I thought I would set these words about farming. And now, let me tell you, that some how or other, my plow runs about as deep again as it used to do; and the result is, I made a good crop of corn last year, dry as it was.

Now, I will tell you how to prevent rab bits from eating apple trees: take a hog's liver, or that of any animal, and rub it well on the tree as far up as the largest rabbit can reach. This should be done early in the fall, and sometimes I have repeated the operation during the winter. never known this to fail for the space of nearly forty years.

Mr. ABBOTT. I incline to think, that the first four volumes of the Valley Farmer contains much interesting matter, which is lost to new subscribers; I therefore suggest the propriety of republishing an appropriate article occasionally.

P.S. We are very much delighted with that department under the head of "The Family Circle."

Success to the Valley Farmer HOWARD COUNTY.

REMARKS .- We doubt not many of our readers can tell the same story in relation to the value of deep plowing, the hast near son that is told by the above writer. We may allude to a little matter in this connection. We see in some of our eastern exchanges, articles to the purport, that it does not always do to plow deep because P.S.-1 did not rub out this wheat till by so doing, a barren subsoil may be turned seen a barren subsoil turned up. S results may happen, but we do not think

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UISO, urnthe likelihood of it sufficient to call for any much per acre? &c. And also, I want to particular caution. I sd - Januare very lo

The suggestion to reprint some of the experience. More anon. J. s. T. d articles in the earlier numbers of the Farmer had been anticipated, and the article on page 73 was already in type when the letter was received. We are glad to know that the Family Circle is appreciated. We consider it a highly valuable part of the

ruined, but by banking earth around them to the depth the bark was injured, the trees a rich glossy appea:ance. I believe it will

can make such corrections as you deem necessary. WM. Morrison.

Elkhorn, Illinois, and and tada bies

# For the Valley Parmers

know if you ever heard of a disease called We are a little apprehensive that our the Mad Itch. and it so, I would like to friend's plan of protecting fruit trees from hear from you; and if not, I wish you rabbits, will not work well where dogs are would make inquiry. I would like to hear allowed about the premises, as the reader the opinions of the stock raisers in different will see from Mr Morrison's letter which parts of the country; it is a disease that follows. We believe dogs relish a bit of prevails to some extent in this section, and fresh liver, as well as "the rest of man- I would like to know the cause and remedy, and after I have heard I will give you my

Concord, Illinois, das sous and eds priver

# From the Saturday Evening Fost Prolific Sheep. Signer Speig and

At the great fair recently held near Philadian delphia, by the Pensylvania State Agriculta ral Society, some very poculiar sheep were exhibited, the merits of which were the excel-Por the Valley Famer.

Rabbits.

Dear Sir :—In your December number
I have seen a piece to prevent Rabbits from injuring fruit trees. I have seen it tried, and the result is, that a young dog on the place injured the trees more in one night than the rabbits would have done in that two of his Tartar or Shanghai ewes night than the rabbits would have done in that two of his Tartar or Shanghal ewes the vear of thought the trees completely brought three lambs last February, all of which have been raised, and now (Nov. 29 two more lively lambs about a fortnight old. But this is not all, as the two ewe lambs born recovered. I for the last ten years have last February have each a lamb, making the used castor oil. It prevents animals from old swe a grandmother within nine months harting the trees and leaves the bark with and her progeny seven! These sheep broad arich glossy appearance. I believe it will rity, from two to four, and even six lambs at prevent insects from injuring trees if they are rubbed with it; the worst kind of castor oil lent for the coarser fabrics, such as blankets and carpets. The quality of the mutton is re-If you think this worth publishing, you and entirely free from any rank or wooly flaor. They are of good size, and very decile, have roman noses, dreoping ears, and their faces are covered with a very glossy, short and silkg hair. Their weight is about the ay-Pasture Grass—Mad Itch,
Mu. Editor.—I wrote you last season, wishing to receive through the Farmer, some account of grasses for pasture. I wish to know through some of your able contributors, which is the best for Woods pasture—

erage of our common country sheep, and they are very hardy. When the wonderful density of the population of China is taken into consideration, the single province of Shanghai containing as many inhabitants as the whole their mais calculated to supply them with the greatest possible amount of meat, while their erage of our common country sheep, and they Blue grass, or what is called Orchard grass; and what is the mode of cultivation, and how crops sunually.

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By a provision in the Constitution of the editee of government—he is the Lord of Na.

State Agricultural Society, the Society will ture. Look at him in his "home spun groy" frock, gentlemen! Laugh at him if you will, their efficiers, and for other business. The Society has now been in existence for two years. So far we believe it has been eminantly successful in carrying out the objects contemplated by its friends, and with the exterience already acquired it will hereafter do better than it has before dope, becoming greatly useful in advancing the Agricultural and Mechanical interests of the State. Strangeers have been astonished and delighted with seeing the fine stock ebhibited at our State seed to state seeing the fine stock ebhibited at our State seed to state seed the fine stock ebhibited at our State seed the state of the state seed the state seed the state of the state seed the state of the state seed the state s seeing the fine stock ebhibited at our State
Fairs. Although other States may boast of
come superior animals yet as a general thing
gone—and swellen eyes, parched lips and
with theirs. The great interest of our State
is the Agricultural—and it is all important to
our welfare that we should have the best
threes, the best jacks, the best cattle, the best
threes, the best jacks, the can be found in the
world. The State Fair recites a spirit of
consultion, which we have already seen exhibited in the new importation of valuable animals
without ragard to the cost—which must of
gives accounts of the last development, the without regard to the cost—which must of gives accounts of the last development, the secretive become of vast benefit to our far execution of the last must rand the latest meets. The fairs, too, have brought into view, steamboat explosion or railrond disaster; and and into use, a great variety of agricultural yet for all this, the newspaper costs less than machinery, vastly important to our farmers, the glass of grog, the juice of a few grains of seaving labor and making their business corn. It is no less strange than true, that profitable. Since the first of our State Pairs there is a large portion of the community when a large number of shops for the manufacture think the corn juice cheap, and the newspaper of these articles, have been established in tarious parts of the State, and the demand his dimes when the liquor vendors are paid for the result of their labor has increased. for the result of their labor has increased said increasing. Our State at this time, liowis this? Is the body a better paymentage of the beneficient influence of the state Agricultural Scalety. There are at this time many consequence than the improvement of the soul, efficient county agricultural societies, whose exhibitions would do great credit to the counties of older States. Illinois Journal. And would not the newspaper be worth many plots of whisky?—Forest City.

The Farson. It does your very heart good to see a merry, fat, and round-faced farmer—and before the first production of the blood of th and pride; so rich and yet so industrious—so worse breed the female is, the more likely is patient and persevering in his noble calling, and yet so king and obliging. There are a thousand noble traits shout his character broad and are rarely met with in city life. You may set and drink with him, and he won't set a mirk on you and swear it out of you with compound interest, he is hospitable; He will do you a kindness without expecting a return by way of compensation, he is generally more four years, than if painted in June, it would be best at the end of two.

without regard to the cost-which must of given accounts of the last development, the

Lord Spencer, celebrated for his fine blood.

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# Three Experiments in Cultivation.

sing aff 1 -- PORTY ACRES CORN. toupe ! clay sub-soil, drog bus - and own of both rows as before suction but as many empe

The ground was plowed 14 inches deep, plants were removed from each hill.

two of copperas. These ten acres yielded sixty-five bushels to the acre.

more were planted with seed soaked twenty four hours in the same or a similar solution.

Now about the after-outture. As soon covered with the plow, idw , havore to socio were perfectly straight and the earth turn- - plowed three times and hoed twice, //

through, a second course was commenced; This plowing was the reverse of the first; This was old corn land, which had, the a slight furrow was thrown to the plants, and erevious year, under the anti-book system again the men with hoes followed the plows. of farming, produced 25 to 30 bushels of demolishing the weeds and drawing a small corn and an indefinite quantity of weeds to quantity of fresh earth to the plants the acre. Soil, a light loam, deep, with Again the cultivator was run between the

By this time the weeds were pretty well and furrows nine inches wide; harrowed mastered, and now a big plow was brought and rolled; then drilled exactly north and into use, to which were attached two powwouth. Drills four feet apart, and planted erful horses, placed one before the other 5 kernels in a place, two feet six inches In going through first, the landside of the apart .. On the first hoeing all but three plow was held a few inches past the middle between the rows, and on coming back. On the 8th day of May, ten acres were the plow was run about two inches deeper, planted with seed which had been soaked the landside again past the middle the other in a solution of three pounds of saltpetre and er way. This time a man followed the plow to relieve any plants which might be borne down by the earth, and the work was On the 15th and 16th of May, ten acres done till harvest, as along worked a beview

# THREE ACRES POTATOES.

This was upland, broken, soil much the The yild of this was one hundred and five same as the preceding; had been in pasture bushels to the acre. soon vent said said for eight or ten years, The ground was The remaining fifteen acres was not broken up in the early part of March, as planted until the 5th of June, when it was deep as the plow could be run; afterwards planted with seed which had been steeped harrowed, rolled, and ridged; the ridges for thirty hours in a solution similar to that were then split with a deep running plow. before mentioned. Many knowing ones and the potatoes dropped in the bottom of predicted that this would be a failure -it the furrow; eight inches apart. The potawould come to nothing. The result was toes were cut, so as to leave two good eyes that from these fifteen acres was harvested to each set. Refuse straw, wet or dry, was 1,680 bushels of corn or one hundred now thrown over the potatoes, to the depth and twelve bushels to the acrel of several inches, and the whole deeply

as the plants were conveniently above The rows were thirty-two inches apart. ground the plaws were set to work, follow, As soon as the sprouts began to appear ed by the hoes. This time a light plow at the surface, the field was cross harrowed. was run as close to the plants as practica- and during the season cultivated much as ble [and being properly drilled, the rows the corn, mentioned in the first experiment.

ed from the plant. Then the men with In November the potatoes were gathered. hoes removed every remaining weed, and the ridges being opened by the plow runloosened and leveled the earth about the ning twice through each row, a by followplants. This done, a cultivator was run in ing the first time, to pick up such potatoes the centre between the rows to level the as might fall back into the furrow, and beground, and give a finish to the weeds, trodden upon by the horse as he returned. which were showing themselves in legions. The potatoes were very large, and there

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was no disease among them. A large por. farmers in this State, Iowa or Illinois, cultion of them were brought to this market tivate, or say they do. this spring and sold for \$1 10 per bushel. The yield was 510 bushels to the acre. toes and which was intended as a loosen. 3. Cycumbens. One-fourth acre, less 8 er, and not as a manure-no manure was lisquare yards. his shee waith anish locited

potatoes were grown, and was broken in the salt, ashes or guano. The result is attrib. same manner, but previous to planting the uted to two facts-and nothing else-the turf was entirely torn to pieces by plowing ground was properly prepared and properly and harrowing, the whole completely pul- cultivated, and whoever adopts the same verised, and the grass, roots, weeds-eve- course may expect the same results. rything that ever had life-was picked up | One thing more we will mention: The and carried off. The cucumbers were then course pursued in this case is exactly the planted in-not elevated-hills 7 feet apart one which we have all along inculcated in in the rows, and with the rows 9 feet apart, the VALLEY FARMER. The farmer who The ground was kept mellow and free from raised these crops is a constant reader of weeds, and when the plants were a few our paper, and assures us that he would not inches high, forked stakes were driven into be without it if it cost him twenty dollars a the ground on each side of the rows, about year. He is in very truth a book-farmer, nine inches from the centre; these forks re- and carries on his whole business with as ceived a hickory pole, and were driven so much system as any commercial business as to elevate the pole nine inches above the in the land. Some farmers in the West. ground. As the plants grew they were think they know too much already to learn trained to fall over the poles, and then the from any agricultural paper, and another leading runner was pinched off, with the class think they must get all their instrucfore finger and thumb nail; this caused the tions from eastern periodicals that no lateral shoots to push themselves along and knowledge is of any value unless it comes twine themselves around the pole. The from Albany, New York, Philadelphia or oucumbers were carefully picked every Boston. Of the first class we have little day, at the proper size for pickeling, and hope; they are "wiser in their own conceit when a barrel was filled, brine made so than seven men that can render a reason;" strong as to bear up an egg was poured on and though you should bray them in a more enough to cover them, the barrel headed up tar they would not be wise. But for the and set in a cool, dry cellar. Forty barrels latter there is a better prospect, and after of cucumber pickles were made from this they have got their fingers well burned in piece of ground, which sold in this market trying experiments totally unfitted to our for six dollars per barrel. It may be noted soil and climate, they will learn to place a here that in gatnering the cucumbers, they just estimate upon publications especially were not pulled from the vines, but the stem designed to meet the condition of Western was carefully cut with a knife or pair of Farmers. scissors.

We are stating what has been representen to us by gentlemen on whose veracity we can rely, as actual facts and statements of crops raised last season; and the reader will please to bear in mind a few instructions which may be deduced from them.

In the first place these crops were raised in Missouri, on land no better than most

Except the straw thrown over the polaapplied in either case. There was no out This was a part of the field on which the lay for gypsum, lime, marl, proudrette,

The annual report of the Commissioner of the Land Office says that the vast immigration into this country during the past year has had a striking effect upon the land sales, which have brought during the last fiscal year the sum of \$5,000,000 into the treasury The cheap postage system is working admirably. The General Post Office Department will make a remarkably good exhibit of its operations during the last year also.

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# Geological Survey of Missouri.

The Legislature of Missouri recently met in joint session to hear from Professor Swallow some remarks on the progress of the Geological survey of the State:

Mr. Swallow came forward, and addressed the assembly to the following effect: He was most happy to come forward and answer any which members might ask agreea-House adopted in the morning. He did not stand there for the purpose of delivering an address. He had been accustomed to express

Mr. Blair rose and said he wished to know from the learned Professor how far the work had progressed and how near it was complet-

Mr. Swallow said he anticipated that question and had prepared himself to answer it. Dr. Litton, of St. Louis, an able chemist was appointed to visit the principal mineral revisited the counties of Washington, Franklin three and the other two. and St. Francois and the results of his analythe survey

of Washington, Jefferson, St. Louis St. Gen-evieve and St. Francois. He has laid down on the maps of those counties, the rocks and mines which they contain, and has examined the bluffs of the Mississippi for three hundred miles. Mr. Schumard discovered organic remains in the course of his examinations, 200 fossils, which greatly extended science.

Mr. Meek, who had been connected with the New York geological survey, had made examin his department.

Mr. Hawn, of the Hannibal and St. Joseph stated. act admit of compensation for him from that tinue paying tribute to Pittsburg. He was of

fund, but the railroad company offered to pay him if he was associated with the survey by the appointment of the Governor and directed by the State Surveyor.

The documents prepared by those gentlemen will accompany the general report, with the maps on which the various rocks and minerals are marked together with analysis. His own object was to get a general knowledge of the geology of the State to direct the operable to the tenor of the resolution which the tions of his assistants. He had precured in-He did not formation from many scientific gentlemen upon the subject before he undertook the survey among them Dr. Heyne. His first object was his thoughts with the pen and not with the to ascertain whether the coal stratum lay above or below the beds of the Platte and Kansas rivers. The problem was to be solved, and the examination proved the existence of coal beds never described in any ancient scientific work-entirely new to the world. There were fifty different beds of limestones sand-stone and slate, and three beds of coal The survey commenced 18 months ago, and interspersed. There was 300 feet of rock above the coal deposits, between the Kanens and Platte rivers. The coal lay in alternate gions of the State and analyse the ores. He layers, one bed being six feet thick, another

The scientific geology of the State was complete in itself, and could not be altered or sis are embodied in his report which will be complete in itself, and could not be altered or embraced in the general report. Dr. Litton's affected by what was to follow. That portion synopsis will give very satisfactory analyses of the report could not be altered or amended. of the various minerals, accompanied as it and could as well be published now as at any will be by section maps illustrating minutely subsequent t.me. The detailed survey was complete in six counties, and considerably advanced in fifty counties. The report of the Dr. Schumard who had been for several survey in detail would give an analysis of the years engaged on the United States geological soil as well as a complete analysis of the sarvey, had made examination of the counties various ores and minerals. The survey proceeded according to the great geological divisions of the State, and not according to the

Geographical divisions.

Mr. Rollins inquired if Mr. Swallow and estimated the amount of coal discovered by the exploration along the Hanibal and St.

Joseph Railroad. Mr. Swallow replied that according to data have been added to the stock of scientific furnished by English engineers, giving 100, knowledge and are now ready to be placed in 000 tons to every square mile of coal, one foot the museums and cabinets of the State, toin thickness, there must be 9,000,000,000 tons
gether with specimens of all minerals in Misof coal within fifteen miles of the Railroad There were 500 square miles of coal in Macon, 400 in Linn 400 in Livingston, and 500 in Chariton; and allowing the beds to be 12 inations in Moniteau county, and had given feet thick on the aggregate, and allowing six township sections and all the necessary details feet for waste and other considerations, the calculations would give the amount the figures.

Railroad, was appointed assistant goologist to Suppossing that the Railroad conveyed 100, make examinations along the Hannibal and St. Joseph Railroad. The appropriation would not be exhausted for 900 years. St. appropriation would not be exhausted for 900 years. St. made by the Legislature for the survey, did Louis ought to use that coal, rather than con-

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epinion that South-west especially in Newton gin to appear; at first they are very tender, and Jasper counties, was filled with lead, and will need care in weeding, but in a few minners told him they would much rather days will become hardy and tough like the work in that region on account of the richness of the ore, than in Wisconsin, Illinois or Iowa.

deeply plowed, and finely putverised with the weeding the rows should be repeated as often barrow; and roll.

Proceed to by it out in drills eighteen in the ground loose.

With proper cultivation, if the soil is good.

With proper cultivation, if the soil is good. ches spart. A convenient way of making

Take a piece of scantling, six or seven feet sufficiently large to set in hedge the following long, and bere as many holes as you can, spring. having them eighteen inches apart. Into those TRANSPLANTING.—To take them up expe-holes drive plugs about a foot long. Let these difficulty a subsoil play is used for cutting of plugs be all of the same length, and the ends the tap root. The share of the play should made shovel-shaped, and four inches, broad, be steel, quite large, and flat as possible. The

recently invented a drill for this purpose which tops cut off by a hatchet on a block.

ly be soon enough: Mix the seed with a litsaw-dust thrown in among the roots will keep
the sand or plaster if it is inclined to stick to
them in good order a long time.

Hence Row.—If the land is poor and hard,
the hand in the drills made as above described; a trench not less than two feet wide, and is patting one quart, to about three and a third deep, should be dug on the line where the square rods, or a bushet and a half to the bedge is to stand, and filled up with equal acre; cover with a hoe from one and a half, to parts of well rotted manure or compost, and two inches deep. Be sure to pat seel the rich earth.

[The roots of the Osage Grange naturally around the seed. If the weather now be dry, grow very deep, which is a great divantage, the surface should be plantifully watered, as snabling it to without the savere droughts. the surface should be plentifully watered, as enabling it to withstand the severe droughts,

V hen the plants get up in sufficient num-The Osage Orange.

Preparation Nursery Grounds. Great care should be executed in selecting the right piece of ground, for the place of planting the seed; the soil should be deep, new, rich and free from the seeds of weeds and grass. It should if this first weeding is taken in season, and be moist though not wet, nor inclined to bake.

Prairie is not broken the year previous, is undeather the plants get up in safficient numbers to indicate the rows, the spaces between the drills should be been deather the plants get up in safficient numbers to indicate the rows, the spaces them the drills should be weeds and grass among the plants, should be weeds and grass among the plants, should be dely so weeds and grass. It should if this first weeding is taken in season, and done thoroughly, the labor of raising the plants may be considered half done.

This method of hoeing the spaces, and the spaces and grass among the plants, should be repeated as often.

and the season faverable, the plants will be

A pair of shalts now for the horse, and some clepth of its running should be about to include the plants with and the implement is complete.

A wheat drill, with one half of its planters and the plants will be found raised, and broad points put on the others, is standing in their places, and they can easily sometimes used. This makes the drill sixteen inches apart. If the drill is of the right kind, and the sprouts not too long, the seed may be moist, after which they can be assorted as planted at the same times. Prof. Turner has tied into bunches of fifty or a hundred, and cover the roots to keep them. close the work admirably without injury to are then rendy to be sacked, or bexed, for the largest sprout.

Planting the Saro.—The time for plant not be so tight as to exclude the air, nor ing seed will of course vary with the season large as to cause the plants to heat. A box and lastitude. In the lattitude of Chicago twenty inches wide, same depth, and three me from the first to the tenth of May will assist a lattice lattitude.

the surface should be plentifully watered, as enabling it to withstand the severe drougue, much depends on keeping the seed constantly and preventing disturbances in plowing, &c., moist after being put in the way to sprout. In after years; but if the ground is hard all poor heneath, this tendency is prevented, as unfavorable and the weeds start first, much the roots are forced to spread near the surface, labor will be saved, by scraping with a sharp or the hedge fails to grow. On deep rich soil, the two the top of the ground above the sead, just deep enough to cut the weeds. In about a week or sen days, if the weath-bears flooding remarkably well.]

er prove favorable, the young plants will beIn uncultivated prairie or grass lands, s

ed over along the line of the proposed hedge, during the summer or fall previous, and har-

HEDGE LAKE.—A convenient one is made by nursery reserved for the purpose. It is recommended never to set the plants long, around a board eix inches wide; then, further apart than stated above, as at greater

single rows.

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PLANTING THE HEDGE .- This may be done any time after the warm weather commences in the Spring, though it is well to wait until few years since we had various recommend will be less danger of setting lifeless ones. Choose a moist time, otherwise wet the plants that we found for giving the carrot color, we

length, three and a half inches in diameter at the top, with a socket into which to

strip not less than ten feet wide should be tur- manure. It also saves nearly all the labor of enltivation:

Should any of the plants fail to grow, their rowed, or backfurrowed just before the time of setting in spring.

HEDGE LINE.—A convenient one is made by sinding a strong cord, fifty or sixty yards

It is recommended never to set the plants

with a small brush, painting down the edges intervals the stake must grow larger and the of the board across the cord, which will mark roots extend proportionally; besides, it reit at proper intervals for setting plants in a quires much more labor in pruning, for which the saving in plants is by no means adequate.

CARROTS FOR MILK AND BUTTER. It is only the buds are much swollen, and even if the tions for coloring butter to a deep golden leaves begin to put out, no matter, as there yellow, by grinding up and mixing in the yellow, by grinding up and mixing in the pulp of the orange carrot, but the best way before setting. Select those of a uniform size to pass these roots first through the cow. We as the best to be planted together, and short-en the roots, to within eight or nine inches, decent cow, made seven pounds of butter per and the top to within two inches of the root. week, much resembling the best grass butter, Stretch the line where the row is to stand, and besides using a small portion of the milk daily setout the plants by the marks, or not more on the table. This was accomplished by the than six inches apart, in a single line thus, use of about a peck and a half of the white variety per day. We hope such of our reader The hole for inserting the plants, may be as can, will experiment in the use of this root made with a pointed iron, twelve inches in the present winter and let us know the result.

Albany Cultivator.

WINTERING POULTRY .- I am not sensible of insert a handle. A pin may be put through having a touch of the poultry fever, but I am the handle at the top of the socket, to bear the satisfied that farmers might generally winter foot upon, in pressing it into the ground. Or, them in a manner to receive a greater profit the holes may be made more expeditiously with for their outlay. For several years I have the trident, an implement with three prongs adopted a plan which has been a great imset six inches apart. These prongs should provement on the one of feeding them once or be made flat or spitula shaped, ten inches twice a day. Firstly, they should have a place long, and two inches wide. If inserted into in which to winter so warm that one seldom the ground full depth, and worked once for- gets his comb frozen. Mine winter under my word and back, it will make the holes large horse barn, which is twenty four by forty-enough to admit plants. The plants are to be eight feet. Under the north half of the barn set in the holes an inch deeper than they stood is a cellar for roots, and the bottom of the is the nursery. With the same implement the sill a trifle above the level ground on the earth can be worked up against the roots north end. The land descends to the sounth, where it should be well packed. "Iwo men sufficiently to have an open shed under the with tridents can easily set one half mile per south half, which is ten feet from the ground to the sill, and has a good substantial stone To prevent moles from barrowing under wall in lime morter on three sides of it, but the hedge, set the plants three or four inches open to the south. Over this shed or open to the south. lower than the sides, so as to leave the ground cellar are my stables, and the manure passes a little "dishing" toward the row; this is through the floor. This shed is occupied by found effectual. The ground should be well cows and poultry, though the poultry have the cultivated during the season, or what is much same range they had in summer. Their better, cover the surface three or four inobes roosting place is in one corner of this shed deep, and two feet wide, on each side of the just below the sills, with a shelf by the side row, with cut straw, or leaves. If these are of the roost. As soon as they require feeding not to be had, tan bark, or sawdust will an-swer. We would from past experience ear-nestly recommend this mulching; as it retains moisture for the plant, which otherwise would more food than before, then become fat, and the be evaporated, and acts subsequently as a rest of the winter I think they require no more

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food than by the old method. The result has invariably been, if they step laying in December, many of them commonce in January and February, and through the spring months they do better than they did by the old treatment, and if a fat chicken is wanted they are sure An Effectual Method for destroying Rats.

Some time since, says the Louisvile Journal, entirely overlooked by our own farmers. credence to such outward manifestations of Until the present season the sale of oil cake the Powers of Darkness—for truly, such midin this market, for home consumption, has not night racing, and knocking, and rapping, were exceeded 40 or 50 tons a year, and this has enough to startle the least timid;—but though been principally fed by dairymen of foreign poor, dear, old Mr. Marrin Ewen got all the education,

We are pleased to learn that our farmers are now beginning to appreciate its value. The sales at the mill in this city the present seeses, we are informed, average 2 1-2 tons a farmers of Fayette, Bourpon, Woodford and charmed all the rate into the premises—for Scott counties, some of whom have taken 10, neither ferrets, nux vomica, nor any other 20 and 30 tens each; others have bought in rate-bane had the least effect upon them. maller quantities by way of experiment. It One day a stranger came to buy some is the most concentrated and nutritious of all barley, and hearing my father mention the the kinds of food. Not more than from 2 to 4 difficulty he had in freeing the house of these a day, and this should be mixed with the meal and other grain and be thoroughly incorporated with out hay or straw. It greatly improves the healthy condition of the skin, and sort of grease, and plaster it pretty thick gives the coat a fine sleek appearance, while around all their holes. The rats, he said, if the supply of beaf cattle in the United

States is constantly falling off, and hence and, while oil-cake can be bought for one quarter or one third the price it will bring in ngland, it is folly to suffer it to go tofeed British cuttle and to enrich British soil.

Wheat bran has long been a favorite food for stock with many. It is now selling at about \$30 per ton, whils its comparitive value is not one tenth that of oil cale. As a general article of food, Boussingault estimates nine pounds of bran only equal to ten pounds of oughly out of the butter, which should be prime hay. With the present improvements made into large rolls, and then cut into slices in flouring mills the bran is but little more an inch thick. Make a brine as follows: than the outer membrane of the wheat. It is valuable, however, at certain times, when fed teacup of loat sugar; dissolve well and strain to horses and other animals, on account of it; then put in your sliced butter, and put of the laxative effect it produces. It also contains a large amount of bone earth, which ter in slices prevents it from having that brit
tenders it valuable for milch cows and calves; the hardness to which it is liable when worked
but used as it frequently is, about cities and with a ladle.—Mich. Farmer.

### From the Genesce Far mer.

to be found without the trouble of cooping Many years ago, the old mansion in which my father lived, was so dreedfully infested with rate, that the basement of the building Linseed Cake—Its Use for Cattle in was quite undermined; seventeen large rais exemption on week in traps, in the wine cellar alone; many died from peisoned bait, we alluded to the high estimation in which the but still they increased. The servants believed the house was haunted, and certainly if stock, particularly for fattening beef and the spirit rappers had been in fashion in those mutton, while its important has been almost days, we might have been justified in giving credit for the nocturnal disturbance, it was rats, rats, rats, and nothing but rats, that haunted the old hall. The rat-catcher was fairly beaten out; he had lost several of his best forrets, and declared his belief that the day. It is chiefly bought by the enterprising house was bewitched, and that some one had

pounds should be given to each head of cattle disagreeable tenants, he said he could put him in the way of getting rid of them with very little trouble. His directions were simply these: mix a quantity of arsenic with any they did not eat the poison, would soil their coats in passing through the holes, and as, like all furred animals, they are very cleanly, prices must rule high for a long time to come; and cannot endure any dirt upon their costs, to remove the offensive matter they would lick their fur, and thus destroy themselves. The plan was in mediatly put in practice, and is a month's time not a rat was to be seen about the house or barn.

To Make and Keep Butter Good in Wis-ter.—Scald your milk before you set it for cream. This will make the butter come quick and it will be sweeter. Work the milk thorone gallon of water put one pint of salt and

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15, 00 but-brite six times has never failed to cure with me. I outright. once had a cow so had with the fouls that she -Rural New Locker.

equal four bushels and a small fraction over, and eventually caused his banishment. but near enough for practical purposes. A Though a migratory bird, he did not seem bushel container 2,150 cubic inches. In

From the Prairie Farmer.

Crane. (GRUS CANADENSIS.)

fashionable opera air.

The Sand Hill crane is omniverous, devour- quite unlike his usual whoop. ing pretty much everything eaton by birds. much like those of the common turkey, of a turkey is not half as good eating." light amber color, splashed with brown. The Audubon supposed this to be only the young

Cure for Four in the free.—In the Ruthe young birds swim readily, and leave it as
ral of Dec. 9th. I see two recipes for curing soon as hatched. It is believed by many that
four in the feet of cattle by the use of a small they separate, immediately upon leaving the
rope, blue ritriol, &c., &c. I have used these nest, each of the old birds taking care of one
and also corrosive sublimate, and have seen —the supposition being that they would light
but rosin and hot tallow poured between the if allowed to remain together. In corroboraclaws of the hoof, and even the knife used to tion of this somewhat singular idea, I can oncut away the affected parts, and other like ly say, I never found two of the young birds barbarous remedies. But for the last, lifteen in company, and a pair which I had caused a years I have used nothing but currier's oil, hen to batch, fought from the time they left of a good quality and applying from three to the shell, till, in fact, they killed each other

This bird is easily domesticated. could scarcely get up, and was entirely unable one for several years, who showed all the at-to walk, and I cured her is one weak perfect, tachment and intelligence of a dog. He nevly well, with nothing but simple, pure currier forgot a friend or forgave an fajury. If er's oil. It is equally good for the foot of any one had abused him, it was of no avail to man when affected with what used to be call-attempt disguise; he recognised his enemies in edithe ground itch, in or between the toes, — hny dress, and by an angry croak showed his Rural New Yorker displeusure, and warned them to keep out of his reach. He was a great gormandizer, and To Measure Grain in the Burk.—Find the was very fond, among other things, of field namber of cubic or solid feet in the crib or mice, (Arvicola,) many of which he destroybin, and if the corn is in the ear with the husk ed, being quite expert at finding their nests, on, deduct 1-4 of the whole bulk for the husk, and searching out the inmat s with his long provided the crib is settled, and then deduct bill. He would have been of service in the gar-1-2 of the remaining solid feet for the cob, then deduct 1-5 of what remains and the last which led him to pull up for examination remainder will be bushels of shelled corn. The everything he saw us plant. Though a desire remainder will be bushels of shelled corn. The everything he saw as plant. Though a desire reason why you deduct the 1-5from the feet for knowledge might be very laudable, this to bring them to bushels is, five cubic feet mode of obtaining it met our disapprobation,

measuring shelled or threshed grain, simply find the cubic feet and deduct 1-5. In the find the cubic feet and deduct 1-5. In the find the cubic feet and deduct 1 - 5. neighboring slough free from ice till late in the season, by tramping about in it. I pro-Carious Habits of the Brown Sand Hill vided him with a warm house, but he preferred to sleep with the cows. He always dept Many of these noble birds still nest in this beside one of them, lying nat on his breast, vicinity, but their number is small compared with his legs folded under him, and his head with the numerous flocks that a few years and long neck turned back between his wings. since might be seen holding their strange He was on good terms with all the cattle, and dances on some favorite knoll, or feeding, might frequently be seen playing with them; while their sentinels, judiciously posted, stood his part of the performance consisting in mady to give warning of any suspicious in-springing up, flapping his wings, and whoopsuder, was precisely the Some are credulous as to the dancing of same as the dancing of his wild brethren. He cranes. It is true their movements are not as would also dance to the waving of a bandgraceful as a Frenchman's or their quadrilles kerchief; and on windy washing days someite a la mode, but dance they certainly do. times danced for hours at a time to the clothes de for their music, though lacking the harmo- on the line. When much enraged, he would my, it is about as loud and melodious as a stand with his head and bill pointed directly upward, and utter a harsh, croaking sound,

ing pretty much everything caten by birds. A young crane makes no despicable article. The next is a simple pile of rushes or grass of food. The old ones, I should suppose -flat on the top, built in some deep slough would be rather tough and enaky; but an old or pond. The eggs, two in number, are shaped Indian hanter of my acquaintance says, "A

nest is usually surrounded by deep water, but of the White Crane, but he was wrong. The

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White Crane, (Gras Americana) is more of a pacious wallet, and surprised the bystanders southern bird, and exceedingly rare here. I by presenting in all twenty dollars, and prosent a pair flying over this fall for the first ceeding to select his sheep. Here the drovers time. These two species are among the lar-discovered that he knew what was mutton, time. These two species are among the largest and finest of our North American birds.

The Grove, Ill., Sovember 15.

### A Sheep Speculation.

A very verdent youth on the shady side of thirty, traveled out of sight of bome for pur-poses unknown, and stopped at a hotel to procure refreshments. The usual loungers of the bar-room, together with a couple of drovers bound for the eastern market with a choice collection of sheep, were in that happy good humor said to be produced by a satis-factory dinner, going in for anything to pro-

long the cheer.

A tip of the eye from one to the other as he entered, indicated that they considered the awkward specimen "game," and "mine host" glanced inquisitively at his rough exterior; as though taking an inventory and balancing accounts for his dinner. The innocent ob-ject seemingly unconscious, stared at every-thing with dull satisfaction, and answered the queries addressed to him with a stuttering foreign accent, highly amusing. His dinner being ready be addressed himself to the "cold bite" not at all disturbed by the choice bits of conversation coming up from the bar-room below, such as "raw Dutchman—fresh from Baden Baden devilish fine fun," &n., mingled with uproarious laughter, which suddenly ceased on his return.

"Sheep, ch?" he said, addressing drover

"Yes, sheep; wouldn't you like to purchase some four or five hundred to stock your farm with ? he ! hu !??!

"H'h-how do sell om?" asked the Dutch-

"Seeing it's you," said drover No. two, taking him by the button hole and speaking with mock serioneness, "seeing it is you, neighbor, you may have all you can pay for at two dollars per head.22 you also pay for

pay for at two dollars per head.

off went the drovers and Ductchman, followed by all the bar-room, even "mine host" him- bushels of clean nice seed, and not one fourth self, to see the fancourse land of allea of a see You bear the b-bargain, g-gentleman,

said this piece of rusticity.

you can pury for at two dollars per head. 1-3: Now if I had sown my seed without Come, hand out your money and pick your cleaning, it would have cost me nearly enough sheep 2 and vina and ox a

discovered that he knew what was mutton, and had probably learned to distinguish wool from another called hair.
"Hold on, man!" said drover No. one, "you've got your number, here's ten!"
"Wall, but m-may be I-I-I might find enough t-tu pay for a few more." So he threw over in all, one hundred and swenty-five, then straightening un.— "H-h-here's your money, sir; I'spose I-l'ould p-pay for more, but I guess 1-l've get all the g-g-g-good 'uns!"

The drovers found little satisfaction in the

roars of laughter that greeted this announcement, and they carsed the Dutchman most heartily, who proved to be a Yankee after all-

CLEAN CLOVES SEED VS. CHAFF. -O. Nye, of Oakland, Jackson Co., writes as follows to

the Michigan Farmer

Farmers are quite apt to get the idea that seed takes the best in the chaff, from the fact that they don't know how much seed they sow to the acre. It is quite frequently the case, that as much as a bushel of seed is put on to two or three acres. I came to this conclusion several years ago, under the following cir-cumstances:—In 1848 I brought the first clo-ver machine to this section of the country, and set it in operation; it was an experiment to the farmers, but all were willing to make the trial, and see if the could not get rid of the enormous expense and trouble of sowing chall-One man in particular, a good farmer, and a great grower of clover and wheat, had forty acres to seed down to clover, and supposed that he had barely chaff enough to go over the whole field, but at last concluded to have it cleaned, and sow the clean seed. He had eighteen bashels of seed, enough to seed his land and twelve bushels to spare; in this one instance there was a saving of at least \$60.

Another instance was with myself last year, wishing to seed fifteen acres and having abou chaff enough to go over the field in the ordinary way, I had concluded to sow the chaff, unless I could have it cleaned before the last ay for at two dollars per head. 2 and of February (for I never wish to sow after this Well, I g-g-guess I will look at sem; 22 so time,) but good luck turned up, the threshes f went the drovers and Ductchman, followed came, the chaff was cleaned, yielding eight split and destroyed either, but round, plump and sound. Two and half bushels of this set was sown on my fifteen acres, leaving me i bla Yes, yes, we hear the bargain, have all balance of five and a half bushels, worth \$38 theep. Paul vino ad or sull becomes doduby more to pay the expense of threshing, a less a Dutchman rather deleurely opened his card word to the wise sufficient forms of least the man 4 W 10

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day I am not aware that it is generally a few days after sowing. yet a sither case sow the seed in the spring Gourd tribe; while the Onion, Spinach,

The Garden and Orchard, of the year. We have only to understand two things; 1st, What preserves the vitality of seeds? 2d; What induces their ataion From the Horiculturat nodeso . I suf germination de a ni puted ton work of privio

A Chapter on Seeds, and a mother The vitality of seeds is an interesting 30 BY THOMAS MEENAN, PHILLADELPHIA, PA. 111 study. There is probably no inherent roas There are probably few branches of son why any kind of seed may not be prehorticulture so ill understood as the man- served sound to an indefinite period. Wheat agement of seeds. A package of seeds and other cereals which have been taken may be placed in the hands of two men, from Egyptian tombs, and monuments, in divide I between each, and sown by each which they have been enclosed hundreds in his own peculiar way; and while one of years, have readily germinated. In succeeds in raising plants, the other fails. newly plowed up pastures, which have lain Sometimes the individuel who succeeds in unbroken many years, we constantly see raising some particular seed one season, myriads of Rag weed (Ambronia artimewill himself fail in another, though to all ap- sicefolia) springing up from seed which pearances the seed was gathered, preserv- must have lain dormant during that period ed, and treated exactly in the same man. The St. John's wort (Hipericum perforaner. For want of attention to these varia- tum,) Hedge Mustard (Sisybrium officinale) tions and their causes, many erroneous no- and the Wild Carrot, are also familiar extions respecting the vegetative powers of amples, puzzling to many of our "farmers," seeds have grisen, and many contradictory who can scarcely be made to believe that statements made by various writers, which they are not "natural" to the soil, springneed only a slight reflection on the prin- ing spontaneously and unequivocally thereciples of successful seed saving and sow- from. It is recorded that in some couning to reconcile. For instance, some old tries the Sinapis arvensis, a kind of Muswriter, I think Hanbury, asserts that seeds tard, most generally springs up in clay taof the Sweet Gum (Liquidambor styraci. ken from very deep wells; and a few years fua) will germinate the same season of ago I saw it stated in one of our Patent Ofsowing; while another old writer, I am not fice Reports, that the Great Yellow Mullein certain, but think Philip Miller, flatly cor. (Verbuscum thapsus) commonly made its tradicts this satisfied that they will not grow appearance after fires on the prairies. Not under two years. Succeeding writers have the seeds of all the plants I have mentioned, followed the one or the other, according to under ordinary circumstances, germinate their own observations or taste; and to this in a few weeks, and some of them even in knowledge

known that both are right to a certain ex- There is another class of seeds which tent. I might instance many such cases, preserve their vitality to irregular periods, I could name a man in a Western State, without any extraordinary intervention. whose business reputation is actually not The seeds of the Cucumber and Melon will in the highest standing with some of his keep fresh so long, that gardeners say the eastern acquaintances, because he was un-longer they are kept, the better they are; lucky enough to observe that he had no dif- which, if true, would render them of reficulty in raising in the same season Peach markable value by "the end of the world." trees from stones sown in the spring, Nevertheless, they certainly will keep fresh, without previously cracking them; and a great many years. The Turnip, the let any man may do the same himself, Balsam, or Lady Slipper of Philadelphians, the may raise either Sweet Gums, or and the Parsley, are instances of easy vi-Peob trees in either one year or two, and tality, though of a few years less than the

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or Lettuce, will seldom germinate over one action which is to effect its germination. An

moisture in preparing their integuments, or in the shape of a gas, carbonic acid, one of the elements conducive to germination-en plant as soon as it shall have produced perture then others to tempt them to germinate; and multiply, and in short take upon itself others must be indulged with more heat all the duties and responsibilities of a liv. than water in comparison; but every kind ing plant, boredity, saw bees out soon asg of seed requires its due proportion of each. But you have said nothing about air Seeds of many plants, as the Water Lilies, Heat, air, and moisture are frequently writwill only grow in water; and of these some, ten of in treatises on germination. What as the Victoria, must have an accompany- office does air hold in the process? None ing degree of heat of over 76°, while our whatever, my good friend. Air is a posi-Yellow Pond Lily will germinate at 55% tive injury in the case, though of immediate Other plants, as the Balsam, Thunbergia. importance directly after the pushing of the Globe Amaranthus, &c, will readily grow embryo. Air, in conjunction with light, in comparatively dry soil. In this class hardens the outer coat-chemically speakthe same difference in the required degree ing, fixes the carbon-which it is the object of heat is apparent as in the last class; for of germination to destroy. I have no doubt while the Indian Mallow (Abutilon avicen seeds would "swell" in distilled water, næ) will not germinate unless accompanied though I can think of no direct experiment by a heat of over 60°, the garden Speed- of the kind just now; but even water plants wells (Veronica arvensis, V. Baunbaumii, must send their true leaves to the surface V. serphyllæfolia, &c.,) will readily ap- in search of air, immediately after germinpear through the soil with the heat any ation. Jocos and o off to an out based where above 23 and bus . Now wel s bi sight these principles teach us that in pre-

ments of each seed constitutes practical tal- ting their germination, a great part of our ent, and this cannot be acquired without attention has to be directed to their outer extensive experience and observation; but coverings. Seeds cannot lose their vitality a few principles can be derived from these, while these remain perfect, while they will which will do much to simplify the labors be in a condition to vegetate whenever this of those who have to go over the same covering is prepared to admit moisture.

mechanically in the process of germination, tain seeds to grow, is entirely dependent and they do so in this manner: On the on this. If A preserves his seed during the application of heat, the pores of the skin wihter so that the husk becomes hard and are expanded in the outer case or husk of bony, while B guards his from such a cor the seed; into these pores moisture is ad-tingency, the latter will arrive at much me

yeard everyword ted H . . . . . . . . . element of the water, which chemists call In all these cases, their preservation is oxygen, seizes on one of the elements of the owing to their not being in a position to ad- husk, carbon, the charcoal principle, and mit of the mechanical action of heat and forms a new combination, and disappears outer coverings, for the chemical action of the chief sources of food for the young explanation that will be better understood feet leaves? As soon as the combined force after we examine what induces germina has caten its way through the husk, it has tion. It will be sufficient here to remark to perform a similar duty for the "keinel" that the vitality of seeds is entirely dependinside. When this portion of the seed has dent on this relative position of heat and been in like manner operated upon it remoisture. Some seeds require more mois- ceives its commission to go forth, increase,

A knowledge of the separate require serving the vitality of seeds, or in accelera-The different results in the experience of I have said that heat and moisture not different parties in the time required by cert mitted; and then commences the chemical speedy results than the former. Lew

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one is at first disposed to admit.

take an example: the Sugar Maple will do long narrations, I will detail a few observa-A gathers his at the fall of the leaf, preserves tions on the Victoria seed, which bears it in a dry seed-room, sows it in the spring, well on the present subject. The seeds and-it does not come up till twelve months from England by Mr Core, and Sir W. J. afterwards. But B gathers it at the same HOOKEE, readily germinated Those which time, puts it in the ground at once, and gets ripened at Spring brook in September and fine plants the next season; or he gathers October the fall following, also readily grew his seeds by the end of August, saves them any time through the winter, on being sown in a cool room till spring, sows them, and for a few weeks. Our plan was flowering then gets plants also "right away," in either all that winter and spring, and in the sumcase getting ahead of his neighbor. "But mer I set myself to collect a good quantity where is the difference?" Simply that B of well-ripened seeds, but they were too fast never allows his seeds to get hard. He for me, bursting and sowing themselves. places them in the ground to keep their Subsequently I cut one off before it was ripe, shells soft; or, to the same end, he gathers or at least before it burst open. These them, not before their embryos are fully were put in an old wine bottle, and formed, cut before their coats have become many of those self-sown were placed in indurated, and adds to his precaution by another bottle, which chanced to be a white keeping them cool till sown. This is a colored one. They were all placeed in simple experinent, which any one may test the same place. Those in the black bottle grew in a few weeks, in the bottle. In successfully raising seed, there is ling alone at the known influence of the abmore in this gathering of them before they sence of light in assisting germination ! are what is popularly called quite ripe, than took that to be the cause; but last year the I was circumstances were repeated in every resmany years ago struck by this through pect except that the bottles were reversed. accident. On a visit to a friend he point and with the same result except that the ed out what he then considered to be ex- seeds which grew this time were in the tremely rare, a most beautiful double grange light-colored bottle. This seems confirm-African Marigold. My friend wished to atory of what I have advanced in favor keep it to himself, -he would give no seed, of seeds not seemingly ripe; but the Victoria but he presented me with a flower. When still further "confirms this confirmation." this flower was faded, and was cast aside, The well ripened seeds, by Mr. Core's seeing the seed looked black and good, I liberality, were distributed over the whole saved them, and at the next spring's sowing I sowed them at the same time with the excepted, failed to grow. Even in our own which we had. They appeared tank I could never succeed in raising one several days before the others. Simple as of these so-ripened seeds, except in Febthis was, it led me to ponder on what we ruary, March, or April, after they had lain garden men had always donsidered inex- a very long time in pans, and those which plicable, namely, that on sowing Hawthorn were self sown in summer, never appeared seeds, some should come up in one year, any season till the following spring, when while, of the same sowing, some should not they would all appear simultaneously. Lust appear till the second or third year, and I year, warned by these observations, I have since been led to the conclusion, by sowed all the seed in the latter part of the many similar observetions and experiments, season, and before they were quite ripe. that those which came up first were "green- and I am informed that this season no diffier when gathered, than those which fook culty whatever is experienced in raising alonger period. of viscous blod von lo seedlings in a few weeks, whenever

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to garminate readly. But let it not be for ple soaking in boiling water for a few hours. and sound to a remote period, the reverse hours before sowing, would probably have of this must be aimed at; that is, the riper caused them to spring up in as many days, the seed can be obtaied, the better. Now, Boiling water is very efficacious, poured supposing the seed come to hand dry and over such seeds, and left thereon a few hard, perhaps from some foreign country hours, or where there is any objection to perhaps old, or perhaps from having the use of such hot assistants, though I have old coat pocket, seed chest, or some other may be steeped for two or three days in cold old coat pocket, seed chest, or some other may be steeped for two or three days in cold dry, warm place,—how are we to proceed?

Still look to the softening of its shell. Suppose, for instance, we have a barrel of Peach stones to sow at once some spring which perchance have been stowed away during the whole winter in the dry store of some dealer.

What shall we do; orack them? Yes, that may do, but it is a tedious operation—can't believing as I do that a proper and judicial stores. afford so much time; can do for them in a cious employment of heat and moisture is better way than that. Lay them anywhere abundantly sufficient for every purpose. aside thinly. To-day, with a water-pot, I think I could add much more of inter-pour boiling water on them; to-morrow let est on this interesting subject, but the inthem dry; the next day again pour boiling tence heat and my numerous engagements water on them, as before. Several successive days of this treatment will do. Another way is, expose them any where to a over my pages, that the editor himself will heat of 100°, or thereabout, for a few hours; have good cause for coming to the same afterward pour cold water on them; then conclusion. I will therefore finish by redry them again. Repeat the operation a capitulating, that seeds may be preserved few times, and you may easily have Peach to any length of time, "safe and sound." trees the same year from stones sown in the by so regulating heat that it shall not abspring. We have over a quarter of an acre stract the moisture from the outer coat and on our Rethlehem road nursery, from seed so reglusting moisture that it shall not rot it; This mode of softing shells is adapted to any time, by so gathering and preserving any kind of hard, bony seed. The heat them that the outer covering never becomes expands the pores, the moisture enters, and absolutely hard; or, if once become hard, the work of a whole winter's freezing is employing variations of heat and moisture effected in a few days.

There are many kinds of seeds which have not exactly "shells" for protection, but which nevertheless get pretty hard cover, irrespectively. Many of the sterouliaceous and leguminous plants are of this description. I have seen, of the forces in the following answer to an inquire the sterouliaceous and leguminous plants are of this description. I have seen, of the forces in the following answer to an inquire to the sterouliaceous and leguminous plants don Notes on Queries:—"The Zouases are natives of the French provinces of Algiers, disformer tribe, seeds of the Hand plant (Cherostemon plantanoides) remain three comployed in the Crimes and sieza of Savasactives.

So much for saying seed which we wish ture to get them to germinate; when a simnotten, that if we wish to preserve seed safe on their arrival from Mexice; and for a few en preserved only for a few months in an never found it to hurt anything, the seeds

to soften it.

years perfectly sound in a pot, resisting omployed in the Crimes and siega of Sevaspol. They hold exactly the same relation to regular British troops.

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Well, all the Apple trees hore something for fruit, but so crabbid and sour they would make a pig squeel. At this time I was engaged as a trader, and had a country store to look after, which occupied about all my time; but, as time went on, and stage coaches and railroad cars succeeded one another, I had more time, for I can now travel as far in four the N. E. Farmer. Well, all the Apple trees bore something for hours as I could then in two entire days with my team. Well, for amusement, I grafted all the four gradually, or year by year, cutting Jock, when you have nothing else to do you off the old branches and grafting the limbs may be aye sticking in a true; it will be grow with Rozhury Russets, New York Russets, inc. Jock, when ye're asleep. Heart of Mid. Baldwins, &c., &c., all the best I could find. Now for results: I have had about ten borrels of good apples, annually, to put up for children? Plant orchard. No other investwinter for three or four years past, besides all ment of money and labor will, in the long run, we used in the family of five, and we have pay so well. In it is a subset of the subset well we wanted, till time to 2. Would you make home pleasant—the

they have berne well for about four years. Way to learn to steal brees.

From the pean frees to the house. I filled the space with flower-beds, and have had many of thankfulness toward the great Giver of all varieties, say twenty kinds of roses, and nearly ne hundred kinds of other flowers. I have planted on the south side of my buildings, next to man, you must be barneded indeed if you be the peace of the hear. Plums, Peachest and the second of to the passage to the barn, Plums, Peaches are not influenced by a spirit of humanity and and Grapes. The Peaches have not succeedand Grapes. The Peaches have not succeed-thankrumess.

ed well, nor the Plums, so I cut the Plum trees 5. Would you have your children love their off, and grafted them with the Green and home, respect their parents while living and configurate their memory when dead, in all their Purple Gage, only three or four years ago, and venerate their memory when dead, in all their now I have plenty of the finest plums I ever wanderings look back upon the home of their saw, so that I have to prop the small branch youth as a sacred spott on oasis in the great wilderness of life? Then plant an orchard.

about a bushel, and I should think about 6 In short, if you wish to avail yourself of

What can be done in a Garden. cabbages and onions, as many as our folks rev years ago! purchased an establish wanted to use. We have also had beans, Thirty years ago! I purchased an establish, ment, consisting of a dwelling house, barn carriage and wood-house, calculating to make it a permanent residence. There was attached a permanent residence. There was attached a little land for a garden, on which were, just five appearance of the found in front of the house were thee trees, of the Balm of Gilead; the trees were all about six inches in diameter at that time; but two of the Apple trees were hollow, and I cut one of them down, after trying to make it do something and finding I could not I of ground, including buildings and drive way) and I have bud more vegetables for years/in and let it lay wit time on planting. About

abode of social virtue? Plant an orchard have a yard in f. ont of my house, about Nothing better promotes, among our neighbor forty feet square, in front of which are two bors, a feeling of kindness and good will than of the Balm of Gilead trees before mentioned, a treat of good fruits, often repeated which are now large trees, and have been left 3. Would you remove from your children

outside of the front fence; but inside of the the strongest temptations to steal? Plant an fence I set out, about ten years ago, three orchard. If children cannot obtain fruit at Pear trees, of the common summer pear, home they are apt to steal it! and when they which now give us all the pears we want; for have learned to steal fruit, they are in a fair.

5. Would you have your children love their

double the quantity this year. I have set out the blessings of a bountiful Providence which some Qaince trees, but they do not bear yet, are within your reach, you must plent an oral Besides the trees and Grape vines, I have chard. Don't plant crab-apple trees, nor relied about ten or fifteen bushels of potatoes, wild plums, nor Indian peaches.

The best are the otterpest.—American Cottenglish turnips and ruta bagss, and a few ton Planter.

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deem it proper to say a few words on that sublect. In the first place fence off your ground
in two or three lots, as large as you want them,
so you can change from let to lot every year;
and second, take one of these lets for what we
call cow-pens, and pen your cows on it every
night through the summer season, in order to
make the ground righ, but keep them off in the
winter so the ground may become mellow bewhat God thought of when he first thought of
a tree!

and let it lay till time for planting. About the time you want to plant, plow it the second time about the same depth, turning the manure on the top; harrow it well in order to mash the clods. Furrow it out about eight or nine feet clods. Furrow it out about eight or that a sake a shovel-full of the manure, above named, and put right in the cross, then make your hills very thought of property in such a creature of stiring dirt and manure together, then you are God as this cathedral-topped tree. Does a ready for planting. Put in plenty of seed in order to save replanting if possible. Keep them perfectly clean by tending with hee and three-shoveled cultivator. If they come up right and it is a good season, and well tended, I will insure a good crop of melons.

# shilds may more even Elkhorn FARM. The White Elm.

In a "Walk among Trees," by Rev. H. W. Beecher, of the *Independent*, he thus speaks of one of the most beautiful as well as most common of trees—the pasture Elm. In the fields of our early home stands one such—but Beecher, of the Independent, he thus speaks estable that praise dout. Industry and the practice of one of the most beautiful as well as most common of trees—the pasture Elm. In the fields of our early home stands one such—but not fixed there more firmly than it is in our memory—not a greater blessing to the flocks. memory—net a greater blessing to the flocks and berds than to him who so seldom may look upon it, sheltering and clustering around it so many pleasant thoughts and recellections.—Moore's Rural New Yorker.

First in our regard, as it is first in the whole nobility of trees, stands the white elm; no less esteemed because it is an American tree, and other decandria, known abroad only by importation, and never seen in all its magnificence, execut in our own vegetables.

seen in all its magnificence, except in our own vegetables varies much. The pea, for invalleys. The old caks of England are very excellent in their way, gnarled and rugged. The elm has strongth as aignificant as they, and a grace, a royalty, which leaves the oak like a boor in comparison. Had the elm been an English tree, and had Chancer seen and leved and sung it, and even Shakspeare, and oulmiferous plants, is that the former derive

As I have been accustomed to raising melit, it would have lifted up its head now, not only the noblest of all growing things, but ensured to proper to say a few words on that sub-

a tree !

After you have taken your cowe off take a hos and scrape up a pile of the manure (to so high are your topmost boughs, that no indeed it from loosing its strongth) about as dolen bird care to seek you, and only those large as you think will allow a good sized shovel full to each hill. Before plowing, go over the lot and much the manure up he, scattering it all over the ground. Plow it gives it pure as flames to the noble bosom. But tolerably early about six or seven inches deep, offers to be only Amblition! comes to be only Ambition!

It was in the presence of this pasture-elm, which we name the queen, that we felt to our very marrow, that we had indeed become owners of the soil! It was with a feeling of man bare his head in some old church? So did I, standing in the shadow of this regal tree, and looking up into that completed story, at which tree hundred years have been at work with noiscless fingers! What was I in its presence but a grassho per? My heart said, if may not call these property, and that property mine! Thou belongest to the air. Thou art the child of summer. Thou art the mighty temple where birds praise God. Thou belong and the axe from thy trunk."

### Leguminous Plants.

Leguminous plants are those of the pulse tribe, and include peas, beans, tares, clover, lucerne, sainfoin &c., of the class diadelphia

The formation of the roots of leguminous

much of their aliment from the air, through their leaves, while the other, having small and few leaves, depend chiefly upon the soil for their hourishment, and as colmiferous plants are chiefly cultivated for their seed, and are not cuit until fully ripe, they are decided as proper to be able to raise good crops of ly of an exhausting nature—but if cut green for fodder, they do not weaken the vigor of the soil; more than many legaminious plants.

Among many farmers and others there is a Reasing this distinctive principle in mind, it distinctive principle in mind, it fords, the dew or the rain which falls in snm- on to them,—some of which can be found mer, is greatly prevented from evaporating; almost every farm.—Illinois Journal. much of the moisture sinks into the soil, which becomes mellow and unctious in consequence. But moisture falling on a culmifpy medium of fertility.

State because they are planted out on our thoughts. level lands and the top roots run down into diseases which destroy the tree.

Bearing this distinctive principle in mind, it disinclination to make any attempts to cultifollows, as a necessary deduction, that legu-minous plants weaken the land, more or less. series have been set out in orchards or gardens. according as they ripen their seeds or not, for the three last years in this region. We Peas and beans being grown for seed, are think, however, that the culture of the pear more severe than other leguminous crops cut should not be neglected. We have a variety green. But whether they ripen the seed or of soils and situations in the cucatry, and they not, they are all, in one respect, highly con-should all be tried. We have faith to believe ducive to the frability and mellowness of the that some varieties of the pear will be found soil; by the shading which their foliage af- that will succeed well here on grounds suited

## Agriculture in Schools,

Most of us remember how dull and destitute erous crop rests for a moment on the surface, of interest were our school studies. We and is then evaporated by the influence of the learned gegruphy, perhaps, with satisfaction, sun, leaving the ground not only dry but hard, because we were obtaining what we consider-And further, some of the leguminous tribe, by ed truths which would benefit in us after time, pushing their roots widely and deeply in the We "cyphered" to the "Rule of Three" ground, loosen it more than others, and are, scarcely beyond—because we conceived the of course, in this respect, more beneficial than idea that that alone would qualify us to trans-others, though, in respect of abstracting all-not the common business of life, without once ment, they may be more injurious. Red clo-reflecting how far from practical were the ver by its tap-root divides the earth more than problems given us to solve. If we studied any mere fibrous-rooted plant; and when it does not mature its seed, is on clay soil the because we honestly believed that it made us very best aperient, as it tends to remove co-"speak and write the English language corhesiveness without exhausting. In a word, rectly." And how often have we been forced leguminous plants, if not allowed to ripen, de- to read in the eld English Reader, or some othprive the soil in a very trifling degree of nour-er equally stapid text book, which we could shment, while they invariably loosen it, and not understand, and which would render us but prepare it best for those culmiferous plants, little benefit, even under a full apprehension of which are perhaps more profitable, to succeed its meaning. The truth is, one half of the men in their proper turn, and which tend to bind and women of New Hampshire took little or up the land again, and thus preserve the hap- no pleasure in the studies of their school days. There was an unvaried routine, day after day. To go over a certain amount satisfied a ma-THE PEAR.-We have seen some statements jority. To understand and apply what was by horticulturists that the pear fails in our assigned, was most distont from their

Though schools at the present day have the earth always saturated with water. To greatly improved, in many respects, yer there this cause is attributed the blight and other stills exits this hereditary fault. There is no interest manifested because, too often, there is Now we have on the bluffs of our creeks and no tangible meaning to the lessons assigned, or rivers grounds that would not be obnoxious to they are beyond the comprehension of the this objection. The roots of the trees would learner. The pupil cannot see their applicanot stand in soil saturated with water, and bility. Teachers perceive the fault, they have a sufficient to the soil of the the soil is sufficiently rich to produce a healthy know it is not easy to engage the mind of the growth. Who has ever tried the pear on these proil. And a good instructor understands the reason.

We have seen, too, particular descriptions This being so, what shall be the remedy?

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Our pian would be to change the character of our chools books and of the instruction given, ad binow it tasks not too to our ow sufficient or too.

The objector at once meets with the fact that becks have been simplified and improved to such a degree that there is no room for farther improvements.

We understand it. We are not ignorant of the vast improvement which has been made within comparitively a few years. But they have not all been insprayed in the right way. There is too much technicality about them—too many rules, too much lumber, and too little practicability in them. We would have them so written as to apply more directly to the common affairs of life—to commerce to trade, the mechanicarts, architecture, domestic connomy, &c. We know this is not possible in every branch, but in a great mensure it is not only possible, but in a great mensure it is not only possible, but in a great mensure it is not only possible, but unite easy. Every science has some practical, useful application, and when that science is studied, why should not its application constitute a part of the study?

Let us apply our idea, to one branch of useful inowledges, that of agriculture. We
need a more thorough knowledge of the principles of agriculture, and practicul application of the sciences on which it is based. As
a people we are exceedingly ignorant of agricultural facts. We do not understand why a
certain piece of ground will produce one kind
of aggistion and afford no support to another.
We cannot tell why one description of manare
will double a growth of corn, while another
will produce no visible effect. And there are
athousind just such mysteries in pature which
are to good our power to explain. To be sure
many of them are known to some men—but
not to the mass. Now what we want is, to
place she reasons of these things before the
mind of the scholar in such a manner as will
induce, but to consider them. Let him see
the teason for any chage that is produced in
nature, and he will soon learn to remember
that fact, indicase and out others to increase
his inswedge.

his be wiedge. The first has been added up of that class of articles which, while they, present a great waicty of atyle, would contain present a great waicty of atyle, would contain present a great waicty of atyle, would contain so match written and spoken on the subject of articles where the acceptance with a chair selection might be numbered lacks were been exercised in this department, and most cloquent addresses have been delicated on this subject. There is no dearth of material for a spendid selection of agric cultural rending adopted to the scholars in our common achools and academies. We have now in our mind, a work by Dr. Blake,

well adapted to the wants of schools in this respect—a book full of interest and instruc-

Our mathematical studies might be so arranged us to afford practical instruction, while their efficiency in disciplining the mind would not be diminished in the least. One of the best Arithmetics within our knowledge, has a few chapters on this plan, which are given under the heads of the 'Farm,' the 'Garden,' the 'Household;' the 'Road,' &c. It is too difficult a work for common district school scholars, but it serves as a model for one requiring less effort and qualification to master it is a recent work by Horace Mann and Pliny E. Chase.

So in Chemistry, Philosophy and other stadies there is no difficulty in makink attem practical and dollar gathade od ya

We need not say more on this subject at present. We only beere to call attention to it, that it may recieve a candid consideration by the public. We hope farmers will think of it, and discuss it. Let it be a topic for debate in district lycoums, in Farmers club; and in agricultural objectics whenever they neet for discussion.

WHERE CORK COMES FROM .- Cork is nothing more or less than the bark of evergreen ost, growing principally in Spain, and other comtries bordering the Mediterranean; in English gardens it is only a enriosity, When the gork tree is about fifteen years old, the bank has attained a thickness and quality suitable for manufacturing purposes, and after strip ping, a further growth of eight years produces a second eron; and so on at intervals, for even ten or twelve crops. The bark is stripped from the tree in pieces two inches in thickness, of considerable length, and of such width as to retain the cuved form of the trunk when it has been stripped. The bark pealer or cutter makes a slit in the bark with a knife, perpendicularly from the top of the trunk to the bottom; he makes another incision paralled to it, and at some distance from the former, and two shorter horizontal cuts at the top and bottom. For stripping off the piece shut isolated, he uses a kind of knife with two bandles, and a curved blade. Sometimes after the cum have been made, he leaves the tree to throw off the bark by the spontaneous action of the vegetation within the trunk. The detached pieces are soaked in water sol are placed over a fire when nearly dry; they are, in fact, scorched a little on both sides, and acquire a somewhat more compact texture by this secreting. In order to get rid of the curvature, and bring them flat, they are present ed down with weights while yet hotta

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# The family Circle.

Mrs. MARY ABBOTT.

# Encouraging.

We are greatly encouraged by the many any other. If we can help to make the fort of all seems to depend upon him. forts are not altogether useless: 104 , 131110

received; and by the many kind wishes for our long life and welfare, which our friends express. owl-wareO sarral ar

# The Father at Home.

As we write for the family circle, we write for fathers as well as mothers, and we hope that no father will take it amiss that weinclude him in the Family Circle. Much The husband is the house-band or organizwants of their family, it is all that is required of them, and the whole duty of training the family, intellectually and spiritually, in many cases, rests entirely upon the mother; providing for his own. but God thought not so; He says, "I know by introducing not only the home-bred affections and moralities that aweeten life, but also hold after him," and Saint Paul said, that the refinements and amenities that adorn it.

a man to hold the office of a deacon, should know how to "order his children." We should infer, that no man ought to hold offices of trust and responsibility, who did not morally, intellectually, and religiously train his household

The father can do much to educate his kind and approving words which come in children, and interest his whole family so many of the letters received. We are these long winter evenings. Winter evenings. riad that our endeavors to benefit the nings are of great benefit to the domestic family circle are appreciated. It is our circle; they serve to bind the whole family wish, to be in some degree, the means of in unity and love; they make the father the good to the domestic circle—that circle, principal one in the family group. An afwhich if trained and educated properly, fectionate husband and father is looked up comes nearer the society of heaven than to with the greatest confidence; the comhomes what they ought to be, then we shall the close of day, see how the wife and chilknow that we have not labored in vain; and dren listen for his coming foot-steps, and it gratifies us to think that our humble of when the cheerful and good tather enters, how eager each little one is to see his smile When the Valley Farmer first commenc- and gain the first kiss. The wife also ed its career, we did not start our depart- cheerfully and willingly welcomes himment with a view to gain one subscriber by and as he is so much loved and esteemed, it, that we did not think of, but we thought how great can be his influence for good to we would devote a few extra pages to the those he loves! And now, these winter family circle, willing to throw in our own evenings, improve the time, and educate of feeble efforts-hoping that they might do the minds and hearts of the children God some good; and we feel fully paid, by the has committed to your care, and in doing manner in which our exertions have been this duty you will make yourselves happy, and confer blessings upon your family that will last as long as eternity shall last. If You sow good seed that you may reap a good harvest; and be sure that you sow good seed in the hearts of your children, for whatsoever ye sow, that shall ye also reap.

## erom won si mHusband, lo geitennis an'i

has been said upon the duties of mothers or of the household. If education has disciand their great responsibility, but little is plined his mind and refined his tastes; if the said, by modern writers, of the duties of town meeting has awakened in him an exattanters in training their children; on this od his heart into communion with the Fathsubject, they are generally silent. It is or of families, and inspired him with those supposed, that if they care for the temporal generous and noble sentiments that exalt our

Christian home.

Christ roses, and honeysackles. See that the sons and daughters are interleased by bands more spiritual than gregarious bipeds. Let the computers, but never the originators of das into some gentle and lofty sympathies, gaining the boys from their ruder pleasures and doubtful dompanionship by the preoccupying satisfaction of a cheerful, courteous, and hospitable fireside. Starve your palate, if need ever were for such denial, to stock your library. Raise the tone of farm-house table-talk if you can aid let the ladies help—above state gossip, commonplaces of day's work and secondalous functions. Household life is not to unfold into grace and moral loveliness by accident, any more than the wealth of your garden or or chard. It must be cultivated. And I take chard. It must be cultivated. And I take

chard. It must be cultivated. And I take it, Christianity speaks of that higher kind of economy as much as of butcher's meat and breadstaffs, when it pronounces him that provideth not for his own worse than an infidel."

Educating Children.

The education of our children is now more than ever a puzzling problem, if by education than ever a puzzling problem.

"Where is your dolly?" asked pink ribbons of her little neighbor.

"Dear me, dindn't I tell you?" answered blue; "why, she's got the measles dreadfully. "Well, I don't think she's as sick as my dolly," asid pink; "only think, I've had to constitution of thirty doctors for her, and they all didn't to her any good. I've had to be the first misery a new gown, she's so miserable."—

fairy tales and bahads were manful and sational; how to counteract the tendency to shallow and conceited socialism, eagendered by hearing popular lectures on all manner of subjects, which can only be really learn by solicitude. subjects, which can only be really learn by solicitude which can only be really learn by solicitude which can only be really learn by solicitude which the counting how to give bebits of "All the time and keeps me awake very a enterprise; patience, accurate observation, much at nights. All the time and keeps me awake very which the counting-house or the library will "But why don't you take her out? The sign never bestow, above all, how to develop the will be good for her lungs."

The former may exist in the barbarian's hut physical powers, without engendering brutalithe intercare the beauty and charm of a ty and coarseness are questions becoming daily
Christian home-bide and represent the world we more and more puzzling, while they need daily

How many hours of a spring would it take to ing, whose bodies were developed, and their importance of the property of the prop

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"O, dear!" exclaimed pink ribbone, with an admirably assumed intensity of feeling, may dolly basn't got a bit of lungs, she only breathes through her nose. This was the climax. Who could help

"Scrapple."-I observe a call for a recipe making "Scrapple," and some other home dishes. Here is one that has been a favorite, with two generations

Beil two or three pig'e "faces," a liver, chine bones, &c., (or omit the liver, if you choose,) till the ment comes off the bones and mest, and half thicken the liquid with Indian meal which allow to bail, whilst you pick the mest off the bones, and chop the liver fine; then return the meat, &c., into the pot, and we subjoin the following recipes:

dissolve it in one gallon of cold rainwater, after they have been washed, bast or word a of and cork it up in some tight vessel. When you are going to wash, add three large spoonfuls to each pint of soap; make a suds with this, and soak the clothes 20 or 30 minutes; then rub them out, and put them over the fire in a clean cold sads. Let them come to the boil, and boil five minutes; then take them out and rines them .- Ohio Cultivator.

MINT SAUCE .- Many of our country friends do not know what a luxury they deprive themselves of, when they ent lamb either boiled or the fire. baked without mint sauce. Set a few roots of spearmint in one corner of the garden, and they will soon furnish an abundant supply. Strip off the leaves and chop them fine, add coffee before putting it to boil.—Ohio Cult. qual amount of sugar, and cover the whole with vinegar. A small tea cupfull of the mixture is sufficient for a large family. Try this, and see it it is not preferable to greasy gravies .- Ohio Cultivator.

To CURE EARACHE. - Earacho may be relieved by dropping a little sweet oil and laudanum, warm, into the ear, and applying hot salt in flannel bags, so as to keep the part constantly waring a good and an

A Good Salve. - A friend who has tried it gives us the following receipt: Boil hamlook bark until you obtain its strength, then strain the liquor and evoporate down to the consist-ency of molasses; to this add an equal part of lard. This is valuable for chapped hands, lips, &c .- Maine Farmer.

A GOOD JOHNNY CAKE. - Three cups of meal two cups of sour milk, one cup of cream, one egz, one hulf-teaspoon of saleratus, and a

How to no UP SHIRT BOSONS .- We often will nick to pieces readily. Take out the hear ladies expressing a wish to know by what process the gless on new linens, shirt bosoms etc., is produced, and in order to gratify them

"Take two ounces of fine white gum arabic mush. This done, season the mixture with powder-put it in a pitcher, and pour on a pepper, salt and powdered sage, and put it into pint or more of boiling water, according to the pans to cool. Next morning, fry it brown in degree of strength you desire and then have slices, and see if your children will not decide ing covered it, let it at and all night—in the that the "waste is the best after all." -- E., morning pour it earefully from the dregs into Wallsboro' Pa., Feb. 5, 1855.

Wallsboro' Pa., Feb. 5, 1855.

Washing Recipe.—The following recipe tablespoonful of gum water stirred into a plathas been peddled through the country, and sold for \$1. It saves one-third of the labor of dawn, either white or printed, a look of a washing.—Take one lb. of saltpetre, and

> WASH FOR THE HAIR -Olive oil, half anounce; oil of rosemany, on drachin; strong hartshorn, two drachms rose water, half a pint. Add the rose-water by degrees, others wise it will not amalgamate.

> VEGETABLE SEASONERS. - Parsley, celery, thyme, sage, onions, garlie, and other seasoners, should not be put into soups or stews un-til the soup is nearly done; chop fine, and put in five minutes gefore the soup is taken from

To CLEAR COPPER. When nothing clee own be obtained, in x a little fudien mean with the

CBEAP LEMON PLAYOR - When lemons are plenty, procure a quantity, out thum into thin slices, and lay them on plates to dry in the oven; when dry put them into a tight bag, or close vessel, in the store room, where they are both handy and agreeable for almost any things an world if they are spring

Squasu Pres wirnour Eous .- To make the best of squash pies (when eggs are 25 to 50 cents per dozen) use none, but put in the Sear.—When preparing to make soap, add place of them soft crackers powdered fine a little old soap to the lev and grease. This Just adverture that for the rest of the poer will greatly facilitate the labor of the making. folks.

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### The Garden of Adam and Eve.

wery, 0 very lone time ato, 2728 (2001) A when first 650d made the flowers,
There was only one man and one woman you know
In this wide, large works of ours. 30 V

er fivet in a garden tell of trees, and the bengin were bright with bloom, id laden with fruit, and adve with beca-ret the birds had plenty of room.

There were birds of orange, and red, and brown and graen, and gold, and blue, They are the seeds that the breeze blew down, and drank from the drops of dew. and red, and brown,

Bid the little white lambs lay down and dreamed.
Where the clover started out;
And the purple and golden butterflies seemed.

And sweeter than you can think;
And sweeter than you can think;
And a beautiful river ran through all,
that Where the sed deer cause to drigh.

And everything was happy and say,
With nothing to harm or greive,
And the Lord God came in the cool of the day,
Man talked with the manand Ree. (Little Fligrin.

About the Managment of Children.

It is a quite a mistake to suppose that chil-dren love parents less who unantain a proper authority over them. On the contrary, they raspect them more. It is a cruel and unnaraspect them more. It is a cruel and unnatural selfishness that indulges children in a foolish and huntful way. Parents are guides and counsellors to their children. As a guide in a foreign land, they undertake to pilot them safely through the shoats and quicksands of experience. If the guide allow his followers that the liberature of the children is the counter of the children in the children is the counter of the children in the children is the children in the children in the children is the children in the children in the children is the children in all the liberty they please—if, because they dislike the constraint of the narrow path of safety, he allow them to stray into holes and down precipices that destroy them, to loiter into woods full of wild heasts or deadly berbs—where I could not take my wife." own precipies that desirely them, to lotter into woods full of wild beasts or deadly herba-our be be called a sure gaide? And is it not the same with our children? They are as yet only in the preface, or, as it were, in the first chap-ter of the book of life. We have nearly finished it, or are advanced. We must open the pages for these younger minds. If children see that their parents act from principle:
that they do not find fault without reason; what it is with many men. My wife has been that they do not punish because purcerns; that they do not punish because the thing in itself the victim of slavish appetites; she has redeenthe pages for these younger minds. If chiloffence is taken, but because the thing in Itself, is wrong—if they see that, while they are resolutely but affectionately refused what is not good for them, there is a willingnes to oblige them in all innocent matters—they will soon appreciate such conduct. If no attention is Chuch, and is a native of Alabama—Westers sopreciate such conduct. If no attention is Chuch, and is a native of Alabama—Present and to rational wickers; if me allowance is made for youthful spirits; if they are dealt with in a hard and unsympathatizing marner, the proud spirit will robel, and the meek spirit be broken. Our stooping to amuse them, times obscure the sun upon the brightest day our condescending to make ourselves one in their plays and pleasures at suitable times, will lead them to know that it is not because our, and our path seems sovered with naughbor and the means overed with naughbor and the means of the seems overed with naughbor and the means of the seems overed with naughbor and the seems of the seems of the seems overed with naughbor and the seems of the seems overed with naughbor and the seems of t

we will not, but because we cannot attend to thom, that at office times we refuse to de a. A part or improper way of speaking oughs nover to be allowed. Clover children are very apt to be pert, and, if too much admired for it and laughed at, become eccentric and disargeeable. It is often very difficult to cheek our own amusements, but their future welfare should be regarded more than our pres entertainment. It should never be forgotter that they are tender plants committed to our fostering care; that that every thoughtless word or careless neglect may destroy a germ of immortality; "that foolishness is bound up in the heart of a child;" and that we mu ever, like watchful husbandmen, be on our guard against it. It is indeed little that we oan do in our own strength; but if we are conscientions performers of our part-if we carnestly commend them in faith and prayer to the fostering care of their Father in heaven, to the tender love of Him, the Angel of wh presence goes before them, and who carries the lambs in his bosom—we may then go on our way rejoicing; for "He will never leave or fornake those who trust in Him."

INFLUENCE OF WOMEN. - Senator Houston was once asked, at a large party given by Mr. Speaker Wintbrop, why he did not attend the usual places of public amusement, as he had been accustomed to do. His reply was this let it be read and remembered by the mothers and daughters of America

"I make i a point," said the hororable Se-

A member of Congress, who was present, alluded to his own wife, and added that there was a mutual understanding between him as her, that they should each follow the bent of their own inclinations in such matters.

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but flowers, clouds of melanchely will some-engaged alike in the play; I'll pay my part!"
times rise in spite of all our efforts. An unkind word from those we love will inserate the
teelings more than the harshest rebuke from A thrill of pleasure seemed to run through irit of wrath or healing the broken heart, charge. spirit of wrath or healing the broken heart. sharge.

As the gentle, refreshing shower will reasimate nature, causing the fields to glow
with a brighter green, and the flowers to bloom
Far up toward the mouth of the Mississippi ing the labor of years to the earth in an hour, ings or crushing the gentle spirit. Then if angry thoughts fill the mind and angry words are rising on the tongue, which it uttered will needlessly lacerate the feelings of some friend; would climb to the top of this. His little brocheck them, for once uttered they cannot be recalled, and will rest on your own mind, whatever he saw Jabes do. are rising on the tongue, which if uttered will causing there the same sorrow they have carried elsewhere .- Country Gentleman.

### The Sense of Justice.

The bors attending one of our public schools, of the average age of seven years, had, slipped and he slid to the bottom, over the insheir play of bat and ball, broken one of loose stones. the neighbor's windows; but no one clew of expose him.

The case troubled the governess, and on the

restitude and kindness which should govern er that he would be more careful in future, them everywhere—oven when alone, and when and try to avoid dangerous places. they thought no eye could see, and there was no one present to observe. The school seem- I wish you to to learn a lesson from it. You, ed deeply ineterested in the remarks.

school, a little boy arose in his seat, and said;

whole for the glass, said another boy rising nest to gain the honors and rewards of the from his seat, "all of us that were playing persevering student, and your footing will be should pay something, because we were all safe; but if you stoop to idleness, mean, dis-

A thrill of pleasure seemed to run through an enemy. Kind words cost nothing, and the school at this display of correct feeling, they fall upon the feelings like snow flakes. The teacher's heart was touched, and she felt upon the earth, bright and still, calming the more than ever the responsibility of her

with a brighter green, and the flowers to bloom with a lovelier bue, so kind words, breathed River in Minnesota, is a place called St. Anis gestle tones, will revive the drouping spirit thony. Along the banks of this river, in that and makes life seem brighter and happiers region, are many high banks or hills, called bluffs. bluffe.

It is amid these scenes that Jabez lives. se unkind and angry words will rouse the pastis a little boy about five years of age, and has sions to a storm, destroying the tender feel- a little brother, younger than himself, whose name is Martin. One of these bluffs or hills, near their home, is about sixty feet high.

This bluff was very steep, and when Martin saw Jabez at the top, and himself half way up and alone, he became frightened, and be to call his brother to come down and help him. Jabez started to go down, when his foot

The mother ran to the relief of the venturethe offender could be obtained, as he would some boys, and found Jabez badly bruised, not confess, nor would any of his associates though not seriously injured. She asked him what he thought when he was tumbling:

ever the atones

occasion of a gentleman visiting the school, "Oh," said he, "I thought I should almost she privately and briefly stated the circum- break my neck; but would not the Lord have

stance, and wished him, in some remarks to the school, to advert to the principle involved in the case.

The address to the school had reference, little Jabes—the Lord would not have made principally, to the conduct of boys in the you over again." On hearing this he looked streets and in their sports. The principles of very and and thoughtful; promised his moth-

deeply ineterested in the remarks.

A very short time after the visiter left the of life. You have commenced learning leaded, a little boy arose in his sent, and said; sons of usefulness. All these can be master-"Miss L.—, I batted the ball that broke Mr.—'s window. Another boy threw the ball, but I batted it and struck the window. I am silling to pay for it."

There was a death-like silence in the school as the boy was speaking, and it continued after be had closed.

"But it won't be right for—to pay the whole for the glass," said another boy vising reat to sain the bonners and rewards of the wonter and to sain the bonners and rewards of the

No stock in the yards at 5 o'clock, r. M' tenner 8, 18355.

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honest ucts, you may fail to attain the bright rewards. If you neglect to learn to do right, and to get a good education while young, you must always do without it. "The Lord will hogs."

Only once are the golden opportunities given you to cultivate your mind. If you do are more these, you will lose your footing peet Catient The Corn Planter Blewing Mistakes on the bluff of life. No, and thought! Opportunities wasted—a youth time squandered in Idleness or the parsuit of vain pleasures, and it is lost forever. "The Lord will not like Seel."

Bus Gress for Winter Picture. Seel. Of Oaks! The Jonited, Pressling Oart Planter; Seel. Of Oaks! The Jonited, Pressling Oart Planter; Seel.

Dr. Calvin M. Fitch, of New York,
With us at the Victions Hotel, St. Louis, Mc, from
Monday, Robruses 1th, and Tuesday, April 10th
1855, where he may be canalled daily, at his rooms, for
CLAION ASY CON SUM PTION, ASTHUM, and other
disease and his cheets takes, for Calavrab, Bouchesis,
Drapupella, Formis Complatible, and all other diseases copmetric, with or produpe sing to Consumption, to which he
has hast particularly divioted. He attention, and in the
tractiness, of a his he has met with may had success.

Dr. Fitch desires to see his patients personally in every
statement of the ease may be sent by tettler, to which a
promut rouly will be returned, diving his opinion of the
case and when he is willing to distribute the treatment,
will state the expenses of the remadics requisite.

Fit

39 head of steers at 6 1-2a net — Mophit, of St. Louis county, 16b, sold 17 head do at at 840 35 per head — St. 14 do at 70 net, 0 milch cows at 8 26 per head — Kendall, of Mankin county, 17 steers at 838 each — Amos Cardin, Pulasky, 17 steers at 70 net, 17 net, 17 net, 18 net,

Dit Oake J The Jeniten,
Dit Oake J The Jeniten,
Pressims Gort Planter,
Pressims Gort Planter,
Good for Expot, Gov. Matteson on Agriculture,
Growth, or Planter,
Fruits and Grains of Oraton,
The Valley Farmer; Habbles,
Presture Grass—Mail toh; Proffic Sheep,
Histore State Agrandura Society; The Farmer;
Whisty and New naper; Leu Spancer on Pure
Breed; When to Faint Houses.
Three experiments in Cullivation,
Gen ontest Survey of Alisacuri,
The Oage Orinize,
Girrots for Milk and Butter,
Ciertots for Milk and Butter,
Bull; Curious Habits of the Brown Sand Hill
Grane,

Crane, A Sheep Speculation; Clean Clover Seed vs. Chaff, A Chapter on S. eds, What can be done in a Garden; Planting Fruit Trees,

All grafiest under ground, sunsatis for transpanies and ty, Mo., sold 23 at 7 1-2c net—Dugan, of St. Charles county, sold 28 at 8 1-2c net—Obigs, of Montgomery, sold 5 at 8c net—Win. Sci tiles, of Montgomery audity, sold 17 at 8 1-2c net—Joseph Mulhall, of do sold 3 at 8c, 4 at 7 3-4c, 2 at 7 1-4c, and 2 at 7 a net—Thomas Dunn, of St. Louis county, sold 17 at 8 1-2c net—Joseph Mulhall, of do sold 3 at 8c, 4 at 7 3-4c, 2 at 7 1-4c, and 2 at 7 a net—Thomas Dunn, of St. Louis county, sold 17 at 8 1-2c net—Joseph Mulhall, of do sold 3 at 8c, 4 at 7 3-4c, 2 at 7 1-4c, and 2 at 7 and—Thomas Dunn, of St. Louis county, sold 17 at 8 1-2c net—Joseph Mulhall, of do sold 3 at 8c, 4 at 7 3-4c, 2 at 7 1-4c, and 2 at 7 and—Thomas Dunn, of St. Louis county, sold 17 at 8 1-2c net—Joseph Mulhall, of the sold 50 of 9c net—McFaul, Sungamon county, sold 17 at 6 1-2c net—Joseph Mulhall, sold 50 of 9c net—L. W. Brown, of San gamon county, sold 17 at 6 1-2c net—L. W. Brown, of San gamon county, sold 25 at 60 net—L. W. Brown, of San gamon county, sold 27 at 6c net—L. W. Brown, of San gamon county, sold 27 at 6c net—L. W. Brown, of San gamon county, sold 27 at 6c net—L. W. Brown, of San gamon county, sold 27 at 6c net—L. W. Brown, of San gamon county, sold 27 at 6c net—L. W. Brown, of San gamon county, sold 27 at 6c net—L. W. Brown, of San gamon county, sold 27 at 6c net—L. W. Brown, of San gamon county. Sold 70 at 6 1-2c net—A leuistry, of St. Louis county, sold 29 at 34 50 net.

SHBEP—Goldsmith, of St. Louis, sold 100 at 41-2c gross.

State of the sold at 5 at 8c net—A leuistry of St. Louis county, sold 100 at 41-2c gross.

State of the sold at 5 c louis county, sold 100 at 41-2c gross.

No stock in the yards at 5 o'clock, P. M January 8, 18885.

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# Missouri Seed Store, SUFFOLK AND ES



### JOHN LARGUE

Wholesale and Retail Dealre in all kinds of Farm, Flower and Garden SEEDS.

GARDEN TOOLS & FARMING IMPLEMENTS. No. 4 North Main Street,

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AT this establishment the subscriber.

A has in store, and intends keeping constantly on hand a spoof supply of DARDEN AND FLOWER SEEDS, prown by the most approved establishments in the United Rates and Europe, and can consideraty recommend them as tresh and genure. They will be sold by the pound, searce, or paper, at the lowest possible rates:

TIMOTHY
BLUE GRASS,
OROHARD AND RANDALL GRASS,
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MITTLE,

MITTLE,

Osuge Orange Plants and Seeds,
Plants, which seed this place, thirty-five acres of splendid Plants, which we sell at 15 50 and 83 60 per 1000, for Nos. 1 and 2. Should one man or a dozan mean, in one or described to the searce, or paper, at the lowest possible rates;

Seed fresh from Texas at \$1 per lb.; \$6 per peck, and \$20 per bitishs, with a liberal discoults to agents on both plants and seeds. Fall directions accompany each lot sold. All communications promptly attended to.

Successor to Jas. Sumpler & Co.

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Successor to Jas. Sumpler & Co. CANARY, am zino tonti . yud RAPE BLACK AND YELLOW LOCUST SEED

APPLE PEAR, PEACH AND QUINCE SEED,

TOP ONIONS, MUSTARD SEED, BLACK AND WHITE

### OSAGE ORANGE SEED

For Hedges, with a General Assortment of such Tools and Implements as are required for Gardening and Husbandry. a manie 17

### MIDDLESEX HOGS.

THE undersigned has for sais, fourthprovats bred Middle-err Boars, six months old. Person wishing to obtain full blooded stock of this distrible breed, are invited to call and see them. Any further unformation may be obtained on application to the editor of the Valley Farmer in St. Lews, or to the subscriber on his farm in Central Town-ship, three naise west of St. Louis.

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The undersigned has for sale the famous DORKINGS. LACK SPANISH, ANDELUVIAN, and most of the pop-MAGE SPANISH, AN DELUTIAN, and most of the popular breads of Ponistry. Also, RESER. SUFFOLE, and PORTUGUESE PIGS and PRENOTE MERINO. SHEEP. All of the above, bred from hit I DEPORTE BROCK, selected by himself in Encope. Also, TWO MORGAN BLAKHAWK, MARRS, In, foal by the Ose Buckhawk, and our Three Year Old STALION, "Black Riying Cloudy of the original Buckhawk Morgali, three-fourths blook, broke in the barranes, gentles, high spirited, of good action, very fast in trot and walk.

SOL. W. JEWETT, feb.

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THE subscribers are now prepared to receive orders for pure Suifelk Pigs. bred, from stock imported in 1846 by the STICKRET, slid by the subscribers in January, an importation of 1940 October, 1855. Address of the subscribers in Josiahi, STICKRET, Boston, Mass.

St. Lettis, Mo. We also have the right for the manufacture of the subscribers in January. The Children of the subscribers in January and importation of 1940 October, 1855. Address down in the State of County in which they wish to use them.

St. Lettis, Mo. We also have the right for the manufacture of the subscribers are now prepared to the

For sale by

W. S. LUNT. Findley. Ohio.

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Farming Implements and Machines,
We are prepared to furnish McCORMON'S REAPER
and MO WE for the coming harvest. Threabing Machanesy
walker & Co.'s FREMIUM SPEEL PLOW, which received
a Diploma at the late St. Clair County Agricultural
Fair; CORN PLANTERS, with which one man and one
horse can lay of, plant and covey in hills, six acres of cern
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A NEW PAPER will be issued on the first Saturday in March, entitled
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Editors giving the above un insertiou, and sending the paper containing it to the Beleutle, will be entitled to a

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BAW-MILL AND HORSE POWER.—The most useful and necessary machine in operation—is simple in construction and easily kept in order, and can be moved in
wagons as readily as a threshing machine, and put in operation at a small expense. It will now from one to twe
thousand feet of lumber a day, with one team of six borses,
as an average brisiness, and in a befor style than any other
mill now in use. It is equally well adapted to steam, water
archorse powers,

The underlined agent for the patentes, would amounce to the public that they are now prepared to furnish mills, with or without horse power, of superior quality and workmanship, with the right torue the same, upon the most favorable terms, at their unamufactury, No. 202 Second-st. St. Louis, Mo. We also have the right for the manufacture.

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liew It saves

TIME. LABOR, AND MOREY,

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This is the best and cheapest tool the Farmer can now buy. It not only makes quick and easy work, but it does its work well. It may be adjusted to plant any width or depth, or an average of any number of kernels. Its planting is uniform, never deep at one time and shallow at another. Every hill is just right. With it you may cover the corn as you choose ;-either press the earth over the seed, as is done with the hoe or roller; or allow the earth to fall lightly over the corn so that the blade can spring up freely-It will, however, cover either way, as the farmer may choose, it a far better way. sets the corn in the hills, and the hills in the rows, both ways, so exactly right, that it is very easy to tend afterwards and may be kept clean with the plow alone. The inventors and patentees say : HIM KARRAGATI

"This Corn Planter, is, for lightness, simplican desire. The following particulars will show the reason of this statement:

It, ulso, leaves the earth in the best condition, pressing it

the reed, but not provid. Moisture comes from the subsoil, and better through pressed than unpressed earth. The seed lies in jection, after a little observation, and looking the earth, and is, therefore, in the yery best unto the reason of the case. He finds the condition to selfner exceld lin

KINGSLANDS & PERGUSONS

The Receive Moisture astrofus Hilly

city, offectiveness and cheapness, all that we and also the air; both being essential to quick germination. The earth, on the seed, should be shallow and light, so that the blade 1. It is fight weighing only TEN pounds. may easily and quickly come up. The closeness 2. It has but one Motion—That does all of the stalks in the hill is necessary for close

2. It has but one Motion

2. It has but one Motion

2. It has but one Motion

3. It is at an adjusted and uniform depth in the soil, and covers it. All this is done by simply pressing it down like a staff, lifting and moving farward. This single motion is, also, naturally and costly made.

3. It is Thorough—There is no random the soil and falls together. Did any farmer over dissover inferierity in such hills? The stalks always find ample room, while the roots range as freely in the soil as if the stalks were apart. Hundreds of acres planted with

AS LARGE CROPS OF CORN AS

practice of senttering the kurnels in the hills

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used upon tradition rather than upon exper-

PERFECT CHECK ROWING is one of its me its-University or Deoppino is another. These various points, when accomplished, show a Planter to be

THOROUGH WORKING.

4. It is Cheap .- Those who have used the brachine sny, that

One Person with it

can do the work of your PERSONS WITHOUT IT. Used during the planting time, it more than thrice pays for itself the first season. If lagarded as money, farmers must con-

cheap Agricultural Implement, have the Rifle Corn Planter.

Such a Machine is to the farmer what the rifle is to the hunter, and is as much better than the hos or plow, as the ride is better than the old musket or blunderbuss.

It weighs rather less than a common rifle, and is much easier to carry and bandle.

It never misses fire, always putting the corn in the kill, and always exactly where you wish it to go. You have only to set it down right, as you take good aim with your rifle, and it sends its charge exactly to the right spot. It makes quick and sure work of it. It might well be called the Farmer's Rife-or while the invention was in progress. I've machine is its present perfected form will

This New Corn Planter was thoroughly tested last season. Several hundred acres were planted with it, and the results were in every respect favorable and gratifying, going far beyond the most sanguine expectations of the inventors themselves. grow right of tog of READ THE FOLLOWING

# STATEMENTS FROM THOSE WHO HAVE USED

planted with the machine in dry weather came up some time before hoe planting, which was done at the same time. This was owing to presents the earth beneath the same time. This was owing to presents the earth beneath the earn. Our lived man who used the machine would plant as fast as two begressed dropp, and two men would cover, and do it better. We can cultivate closer, and the earn is firmer in the ground than core ratiest from how planting. We would not be without this result of the mathematical the without this result of the country. weld not be without this machine.
Yours, &c.,

Tours, &c., L. A. FASSETT.

SHIRLAND, August, 1854. This certifies that I have planted twenty-five acres of som with Handsal & Jones' Corn Planter. Is plants much better than by hand; I can cultivate my corn much better than after hee planting. "My corn stands first-rate on the han after hoe planting. My corn stands first-rate on the second. I can plant as fast as four hands can plant with the second sec

I made use of Randell' & Jones Pienting Machine last tyries, and planted ten acres. It was a very dissevorking machine, and saved the labor of four bands. My corn lasts well, and cultivates better than hand planting.

C. C. WRIGHT.

O. G. WRIGHT.

ROCKTON. July 16, 1854.

This certifies that I used one of Randall & Jones' Corn Planting Muchines lant season, and with my own labor stating Muchines lant season, and with my own labor stating as chief, and so re uniform both as to dropping and planting than the more uniform both as to dropping and planting than the more uniform both as to dropping and planting the more displant was cere an hour. I planted at one time 6 1-2 acres in 37-2 hours. The corn trenges as well as any other, tends twice as well, as that which is planted further apart. My neighbors asy, they would make uniform the trained or my highly of these machines. After my planting was done, there was great wirle to get my machine the tailone of the eagon. (Randall & Jones laving over hand-funting. I conduct to the see taker saving over hand-funting. I conduct to the see taker saving machines for the money that the farmer IRA CUMMINGS.

SYRON, ORLE CO., LEL July 228, 1864.

Randall & Jonest Dear Strat I am happy to higher you that your Core Planter has given us good satisfaction. We find that our corn planted with the machine, came up satisfact, is more conveniently worked, and has got a better

Roscoz, ILL., July 15th, 1864. Strowth. One man with the Planter nut in two rows as fast as another man and whoy put in one. Consequently, alies Machine which we obtained from you last speing, one man with a machine plante as much corn as two men had first-rate. We planted thirty aeres. The corn and two boys with hors. I deem it one of the most valuable ing two boys with noce. I deem it one of the most variable improvements of our generation. Every farmer, who plauts ten acres or upwards of corn, will find it for his interest to buy one, and I hope the farming community will appreciate the value of your improvement by giving you a liberal patronage. Tour on't servant,

ROSCOE, I.L., June, 1864.

I planted twelve acres of corn last spring, with the dail & Jones' Corn Planter. It operated aplendigit I don't think there are five hift missing. My corn tends row times as well as hoe panting. My land was severed with corn stalks, and very bad and rough, st.ll i could plant fou times as fast see man could in the ordinary way. I be lieve this machine is is the most laboreaving implement for the price, that the farmer can possibly obtain-

Roscow, ILL., July, 1864.

We used Randall & Jones' Corn Planter the last season, on twelve seres. We could plant eight seres per day, better than it could be done with a boe. The corn is in Sister condition, both for culti-ating and hoeing, tien see planted corn. Our corn stands well on the ground. We think the Planter almost indispensable for large large, KILEY & ASA SWEET.

RILEY & ADA BWEET.

Randall & Jones: Sire The machine for planting corn which t bought of you, is the greatest labor saving machine on a farm. I planted elety-five acres, better than it can be planted with a hoe. My corn stands exter and letter better than hand planted corn. The seed being placed in time carth, the grown up corn stands stronger, for this reason than other corn. I what you acress.

HENRY R. THOMAS.

CHERRY VALLEY, Boone county, Aug. 19, 1984.
Randari & Jones:—Sirn:—Having used one of your Principro last spring to plant a large amount of corn, I found that it saved an immane deal of niner. Why, your machine in planting, is just what the locemotive is in traveling. It is very accurate in its work, no well as speedy, by corn stands first rate on the ground. That planted by the machine in dry land came up before the hand planting.

Yauts, Accurate the All Planted last opring furly sorms of corn, with Randali & Jones Planting Machine is five days.

With Instructions for their Keilingstons Being a Manne BOMANS Becauties, Owner Per and Wash over secons, 34, Louis. departpoint Vermin. Wilk Must allons on Wood. This was by my labor alone. My land was had, and covered with norn staller, it think it was west, planted as could be done with a hoe. My sorn stands well, and is easy to a sender of the could be done with a hor wall of EDWARD COLLYRIS.

BELOTT, Wis., July 17th, 1854.

I used one of Banhall & Jones Corn Planters this season, te plant thirty-five acres. It worked very well indeed. I consider it a great saving of labor in planting, but it saves more in cultivating. The corn standy just as well as when the stalks are further apart in the bill. The weeks have me change to spring up among them.

As BOOKE.

Denorr, Roue Co., Wis., July, 1984.

I feet a pleasure in stating that the Corn Planting Machine which I bought of Randall & Jones, exceeded my expectations. I planted thrite-fee access my corn stands firmly on the ground. This machine save fully as much labor for cuttivating at its planting.

The shows regults were obtained last see

Mesers. Randall & Jones :-- I used last spring a meshin planting a part of my field with it. I have now hussed m corn; and find a much better yield from that part which we plainted, with the meshine; left has had a bestur great the whole season. I know not how to account for it, unlet it stood more firmly in the ground, and was not injured a much by the drought, and, also, standing close together in hill, could be sultivated better. I now regard you Planter as doing better work than can be done in any other work. The CEPORDS AUG. 25, 1864.

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acce.

Die)

The above results were obtained last season with a few of the first Planters made while the invention was in progress. The machine in its present perfected form, will do more work with greater ease, and do it better. want some I med work and

It is not surprising that an implement which can do all this, and has done it, has taken the first premium at the State and County Fairs where it has been exhibited. It was a matter of course. And the farmers who put in their corn with it this season, will go ahead of their neighbors, they will take the premium in Corn Planting, they will also save work and make money on every Machine they use. So, send in your orders, the sooner the better. "First come first served," must be our motto, though all shall be supplied, if possible.

The price is \$10, This is the uniform retail price all over the United States.

To encourage an extensive use of it this season in every county, so that every armer may see it working in his own neighborhood, we make the following offer:

Each person sending 850, (specie funds.) for five Planters, shall have a

Planter gratis

All communications to be addressed, (post-paid.) to E. Leigh, care of Smyth & Gore, gt. Louis, Mo.

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Of Bural and Domestic Economy All Arranged and Adapted to the Use of American Farmers. Price 25 cts. each.

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With steam power, are capable of uswing from three-to air thousand feet of lumber per pay, varying eccording to the power applied and hind of try of the West and South for Payer & Patent Single-Saw Mill and Childs Patent Double Saw Mill, we can furnish either the single or double Mill for steam. The "Potable Caratter Saw Mill? is bester adapted to the wants of the country than they other kind of Mill now in use. They can be put in operation power, are durable and easily kept in order, and will new more famber in the same time than any other. All orders addressed to its will be premptly and any information in regard to Mills cheerfully given.

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they at at \$1,00 We will be appeared and appeared appeare

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## CATATO

## toot-Grafted Fruit Trees

CULTIVATED BY

### JULIUS MALLICNKRODT.

Near Augusta, St. Charles Co. Mo.

This excellent assortment of vigorous and healthy Trees will fully enable me to merit the confidence the public mer choose to honor me with.

Winter Apples.

Jenetona, Newark-Pippin, Yollow Newton-Pippin.
Spittenburg, Boston-Rasset, Milam, 22 Ounce Pippin, Missouri red, Long green Pippin, Golden Russet, Sweet Jeneton, Spittenburg, Renette of Berlin, Wincemp, Holland Pippin, Renette of Normandy Dodson Apple, Golden Regette, Father Abraham.
Gravenstein, Payor's red, Imperial Pippin.

Fall Apples.

Fall rippin, Rambo, Calville, Maidens Blush, Colliers Full, Hughes crab, Harrison eider, Shode Island Greening.

Summer Apples.

Matsor, Sm th summer, Darst early July, Preserve Apples, Summer belieflower, Red belleflower Summer-rose, Yellow harvest, Early red Margaret Early June eating, Summer redstreak.

Peach Trees.

Sugar rarerips, Hancork large freestone, Blood-Peach, Longworth large freestone, Early york freestone, Early July freestone, Silverskin, George the Iv, Apricot, Washington cling, Hills Maderin, Poplar Peach, Grants large Yellow, Heath peach, Morrison white cling, Early rarerips, October Peach, Apricot, Early Ann. Teton de venus, Early Cling, Great Mathree, Snow Peach, Albert Gallain, Treath of the Control of

years old.

According to the opinion of practical and ex-perienced men. Fruit trees may be safely transplan-ted in the Fall after the 1st of November.

Orders received from the upper part of Missouri will be properly executed by the return of the Pack-

My stock, ready for sale this season consists of about 50,000 Apple Trees of 2 and 3 years standing and 1,500 grafted Peach Trees.

Price of Apple Trees 3 years standing 20 cts.

18 cts. Peach Trees

20 cts Agents for St. Louis, A. Lee, & Co., Main st. Nov. 5m.

# \*Sigerson's Nursery

The proprietors of the shoes Myriero, miles south of St. Leuis, are pressed to furnitude south of St. Leuis, are pressed to furnitude southers the present fathand coming Spring with a ward of the state of the stat

McLEAN'S

# Volcanic Oil Liniment.

THE MIRAGULOUS CURES that this celebrated medlicine has p-formed, after all other reuse is had fails
warrants the proprietor in esserting that it is only the
meant that will cure Chronic or Indiamatory, Reumanian,
Paralysis, Stiffness or Weakings in the Zoints, Muscles or Ligaments, Contracted Mancles, breakers, Neuraighs,
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Swelling, Tumor, Piles, Hard Lumps, Caked greasts, fors
Mipples, Blees of steepillow, or any Inflammalion.
And it will cleame, purify and heal the FOYLEST ULCERT SORERON the legs or shine, no difference how long
they may have existed. It will also anothe and hears
Scades, Frenk Cute, wounds; &c., souler this any other
remody.

Over A Million of Pottles Have been sold in 1865, and the demand is lucre, sing daily, and we have a ver heard of a case wherein it has palled to cure any external disease, when properly at piled.

Who then will auffer from Pains, Sores, or Swelling, when a safe and sure termedy lease easily obtained?

Read the following certificate, which is:

### Incontestable proof

of what we have sizerted.

J. H. McLEAR—Sir: I feel it a duty I owe to the public to make known the following, noping they may learn by my experience, and discard a worthless term which has been pressed into notice by false certificates and ion advertisements.

For six musttle I was continue to my norm a cripple from Rheumatiann. My kine was assoling themendously producing the most severe paine. The muscles were contracted as that I could not straightful my leg at all. I applied the Mustam I, instrument for four weeks, but it done no mare pad than any other creases. I obtained and nard your Yokasic Oil Liniment for weeks it relaxed the musicies, and cured the parameterity.

AMERICUS CASEDAY, Saline Co. 111.

I saw Mr. Casadar when he was afflicted, as stated, and in now well. WM, M. HLEIOTT, Pinkneyville.

Reader, if the above is not sufficient to convince you of the wonderful efficacy of the Volcanie Oil Linimon, call of examine the THOVSAPDS which we have no set po-ssion, from all parts of the country, and if you will pre-nace a supply from us, and it does not give satisfaction, he money will be returned to the purchaser.

For Horses and other Animals,

FOR HORSES AND Other Animals,
McLean's Ceichrated Liniment is the only as a satellible temedy for the cure of Spayin, Ring Bone, Wad Said, applints, Unnatural Lumps, Nodes or Swellings, it will aster fail to cure Be Head, Pail Evil, Flatua. Old Rainer Sorreor Swellers, if properly applied. For Spides, Bruses, Scrafchee, Cracked Hoofs, Chares, Saidle & Geilar Galle, Units or wounds, it is an infallible remoty. Apply as directed and a cure is cortain.

Read the following from Mr. Wells, of the St. Law Oranitesa Company.

This is to creatry that I have used the mexican Mustag Liniment, and McLean's Volcanic Oil Liniment on a complete horses that war clams, sprained, and for aveilines and I have found McLean's Volcanic Oil Liniment to be the best Liniment.

St. ASTUS WELLS.

Of the firm of \* ave & Company of the firm of \* ave & Committee of the company of the firm of \* ave & Committee of the company of the firm of \* ave & Committee of the company of the firm of \* ave & Committee of the committee of the company of the firm of \* ave & Committee of the committee of th

German.

LT fals Liniment is now put up twenty-five cent, five ones, and delier bettles. The fifty centage contain a line times the quantity of the twenty-five cent size, and some in properties to the cast.

For each by J. H. McLRAN, Sole Proprietor, expect of Pine and Third streets, St. Louis, M...

THRESHING MACHINES AND L. BORSE POWERS.—We are magnifacturing as the large for lade Cog & Roberth Patent Thresher and Cleans or they thresh and clean the grain ready for market, are very the durable, easily keptin order, and sold at a yery reasonable price. Orders respectfully solicited, KINGSLANDS & FURGUSON.

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## G THOMAS

## Forticultural Garden and Mursery.

Deron Melet avenue, opposite Marine Hospital,

Source St. Louis, mo.
I would respectfully remind the citizens of St.
Louis and surrounding country that the season for
translanting Fruit and Ornamental trees is fast aptreesting. Great stiditions have been made in evetry department, more particularity on one fruits. A
new select and varied collection has never been of
tited for sale in the South-west, consisting in part of
wer one hondred varieties of
APPLES.
PROBES,
PLCMS,
ORTAWRA AND ISABELLA GRAPE VINES.
Purchasers may rely on everything being what i

Purchasers may rely on everything being what i

Delite left at Wm. M. Plant & Ca.'s, 14 Main St., begins are at was, as I and a co. a. I a Main St., or at the Ayaliey Former Office Cheanut atreet, between Tailed and fourth streets, or at the Garden will be promptly, attended to, Catalogues will be mady for distribution after the 15th of Nov. which will be sent to all post-paid applicants.

## Osage Orange Seed and Plants

Usage Urange Seed and Plants
Till undersigned, successors of Jas. Superim & co.,
woold return thanks for past favors, and whilet future
pitonage. We have a farge lot of very superior Plants
piwn where they fortunately had a sufficiency of rain.
These wishing to purchase, either by wholesale or retail, we
no confident we can accommodate not only in plants, but
as in price. We also import our Seed direct from Texas,
is hall be tresh and of the heat quality.
We confinue to plant, cultivate, trim and mature a complete funce at from Tecta, to \$1,00 per red—care-third to be
all when planted, and the balance when completed,
hadges set and warranted at from thirty to forty cents per
set. Reigns aroun for what distinctereds recommend at
\$1,00 to \$1.50 per red, to be paid for when completed.
The tails a farge promise of active business min, filting to
localize where hedging is needed, to take hold with us in
the contraction of Hedges the sale of Plants, Seeds, 20.;
whas have the confidence of their neighbors, skall receive
a see chance. Let as hear from yon, gentlemen. The
lant, 6, Sep. 30.

McGhew, Leas & CO.



# J. H. LIGHTNER,

18. 18 Second street, (hetween Olive & Locust,)

Deale In STOVAC .

Second the West, west Queen, Buckeye, Preference

Francism Cook Stoves—Also select Parlor stoves, Grates

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Welne, Peorla, Jewett, and other patterns—also, Meline PAIRIR BREAKERS.

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STUCK, POULTRY, ADMDS, BOOKS, &c. I All orders attended to with promptness. Address R. ABBOTT, Editor Valley Parmer,

No. 219 Broadway and 203 Fourth street, St. Louis, Mo. rall parties and the constitution

### To Farmers and Merchants. TEXAS NEWS!

Letter from the special Agent for Texas in which

t have lately recevied letters from a number of those who have your Libius 677 for sale, and they all say, that flowed a American Prince Late 1710. Libius 257 outsile any other that he swer been in Texas. Home of these write of wenderful curve it has performed; one of which I will here mention?

write of wonderful curve it has performed; one of which if it per mention?

A gentiemen who lives in Runt Co., Texas had his foot mushed more than ten months age and had seen all the salves and linimer to extant, but all of no avail, it become so gore that he could not walk a step. I at least induced him to try PLOY D'S ARRICEAN PENETRATING LIMITARY, and on the light day of the both he compared eather than after using three Butters he was reached to walk, although he had not before since he was buttered to walk, although he had not before since he was heart, and at this time he is well and at work on his arm, howlebes me to request you to publish the wonderful cure performed on hims, that it may induce solve a similarly aftered to use your Liniment and be harded. This man is an old and raspectable clisers of fluot colorly his name is A.C. NOBWELL.

3 nd a large amount of your Liniment here it will all sell, and quickly, Yours, Respectabily.

J. D. WHITE.

Floyd's American Penetrating Limiment will cure any of the following diseases:—Rh translating swellings, Sprains, Parliese, Old Sores, Piles, Pain in the Suck of Limits, Sprains, Parliese, of Sores, Piles, Pain in the Suck of Limits, Sprains, Suck of Limits, Weakuess, or Riffmens in the Joints, Sores, Threat, Hend-Acks, Contractions of the Muscley, Infassmations, Felons, Limits, Age Cakes, Chafes, Comp. Erystopens, Plands, Flameworms, Sc., &c., &c., upon markind, whire an external means is required.

Also, Pistula, Poil Rvil, Wind Ga its, Sprains, Saddie of Harsons Gains, Strains, Weakuess in the Limits, Limits of Swellings, Sweeny, Farey, Scratches, Big Head and Big Shouther, Founder and almost all diseases of heroes where an outward spilication is wanting.

This is to certify that we she undersigned have used Ployd's American Penetrating Limitsent, have found it sense in the sense of the sense and most useral Limits in we in circulation, we therefore tax pleasures in recommending it to the public generally—Doustdoon & Hall, St. Louis, S. Birmingham, St. Louis, Fenry Gieber, G. Holfes, de Dr., Grenville, G. Hubberd, G. H., Krocke, W. G., Grenville, G. Line, F. H., Morton, G. P., Hubberd, G. B. Bennett, G. P., Winner, Woodbury, M. Floyd's American Penetrating Liniment

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Five doors below Scott's Hotel, St. Lous, Me.

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PATENT COOKING STOVE

THE subscribers have just got out six new and newly patterns of the above calebrated Sove, in which we have made several valuable improvements, which makes them not only the best baking, but the most durable and perfect Sove in use. And we offer the Stove confidently as the best Stove made, and invite all in want of a good Cook Stove to examine our new Buck's. Every Stove will be warranted to hake perfectly even, and give entire suitsfaction, or me will refund the money inful.

In this Stove the fire is brought directly under and rely close to the boilers's and the ofen which is the foll size of the Stove, and much larger than that of any other Stove of the same wise, it so constructed that the feat passes in flues around it in such a manner as to give it a perfectly even heat at top and bottom. Wherever this stove has been introduced, it has obtained in decided preference over all others, and will be found, by any one giving it a trial, to posd will be found, by any one giving it a trial, to posous operations in cooking, and so great a saving oth labor and fuel, as to make it the interest of

been the orange of the state of

been the nine days wonder of their season, and have then died away, to give place to some new thing, equally unsatisfactory and equally ephemeral.

In all this time, the reputation of Buck's Stove has Stove inventors find it necessary in order to self their wares, to counterfelt as nearly as possible the form and then by diligent efforts, attempt to palse of their productions upon the public as an 'improvement' on the Buck Stove,

The simple fact that such trickery is resorted to show at least, that in their estimation Buck's Stoves,

a reputation beyond everything else in the

chows at least that in their estimation Buck's Stoyas have, a reputation beyond everything else in the shape of a cooking apparatus. No Stoves have been made yot which gives such aniform satisfaction wherever they have been well put up and fairly used, and we challengs the world to produce their equal, in so perfect a combination of all the points, essential to a good Cooking Slove. We respectfully lavite purchasers at Wholesale and Retail, to examine our assortment of Stoyas and Hollow Ware, which will be found the largest in the City, and we pledge ourselve to sell as low as can be bought in this, or any other Westorn Market, We would invite the attention of those in want of large Cooking Stoves, for Hotels, Seminaries, large Boarding House, set, to our new patterns of large Hosal Stoyes, being the largest cast Stoyes in the West.

BUGK & WRIGHT.

205 a 507 Main st., St. Louis, Mo. January, 1854.

tive disers below Scients Bosel, St. Lives, Me.



COUGHS, COLDS, HOARSENESS. BRONCHITIS. WHOOPING-COUCH CROUP, ASTHMA, AND CONSUMPTION.

"And by therives upon the bank thereof shall grown trees for meat, whose leaf shall not fade and the fruit thereof shall be for meat and the leaf thereof for medi-

trees for meat, whose less shall not rade and he runthereof shall be for meat and the leaf thereof for medicine. There was hope for the sick recorded long ago, and way year acids now, proof to the assurance that these premise shall not fail—
As medical acleance discovers and designates he remodies nature has siven, one by one, the discass that allegent race, yield to the control of art. Of all the Missless we suffer from, none has carried, more victims to an entimely grave than Consumption of the Lungs. Subjoines we saw some evidences that this too, may be curred, and that Promanary Complaints, in all their forms, may be removed by ORERRY PEGRORAL.

Space will not permit as to publish here any posporise of the cures it has effected, but the agent below named will furnish our Circular, free, whereon are full particular and indisputable proof of these facts.

Sufferers, read and indisputable, read, in the first new Manaying Cough and Influenza and have no heatstote we premouncing it a complete remody. Four of my children have been afflicted with these diseases, and the free west the Freetersh has always afforded almost instant relief.

JAMES GLOVER.—

We attest the truth of the above statement.

M. McGinty, Editor of the Nashville Wille

We attest the truth of the above statement.

M. MICGINTY, Editor of the Nashville Vis.

J. M. ZERMERDAN, Draggist.

For Consumptive Cough.

Pertrapuncy, Pa., Seb. 76, 1881.

Dear Sir.—For three years I have been afflicted with a Cough, so distressing that I frequently despaired of respectively, much of the time I was obliged to sit up all night in suchair, as my cough would sufficate me when I lais dewn Having used many remedies without relief, I at last tide the Cherry Pectoral, which under Providence has consum which have been accredited to Pectoral.

ZAMES MCCANDLES.

This is one of the Numerous Cures of Ashma which have been accredited to Pectoral.

ALBANY, N. Y., April 17, 1884.

Dr. AYER, Lowell. Dear Sir: I have for year has afflicted with Ashma in the worst form, so that have been obliged to size in my chair for the most part of time, being unable to breath en my bed. I had tried great many medicines, to no purpose, until my physical prescribed, as an experiment, your Oherry Pectoral. I draft it seamed to make me worse but in less than we'd began to experience the most aratifying relief from it may and now, in four weeks, the disease is unitral years. I can sleep in my bed with confort, and enjoy a state of health which I had usever expected to enjoy.

Geo. Parasyn.

Commission and Forwarding Merch

NEW

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WAREHOUSE



# DAVID LANDRETH, of Philadelphia,

Announces to all whom it may interest, that he has located at

No. 6 Levee and No. 6 OldMarket Square, ST. LOUIS, CITY BUILDINGS, Levee, between Market and Walnut, principal entrance OLD MARKET SQUARE Sign of the PLOW \_\_\_\_\_

Where will be constantly kept a complete assortment of MACHINERY adapled to the Fann, Plantation, and Ganden. His long practical experience in this branch of buisness qualifies him to judge of the relative merits of IMPLEMENTS, and none but those of real value will find place in

# Landreth's Agricultural House,

SEEDS of all description will receive an important share of attention, ESPECIAL-LY THOSE FOR THE GARDEN, which being the produce of his own grounds, and reared under his personal inspection, will be found, on trial, superior to those usually offered for sale. Michock's Palent Supresed Portable Cider Mill.

The undersinged being charged with the direction of LANDRETH'S AGRIC-ULTURAL HOUSE, ST. LOUIS, respectfully invites the petronage of his friends and the public, assuring them of his best exertions to serve them satisfa ' ily.

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JAMUTAB MACE CONSTANTLY ON HAND AT

PLOWS, in great variety.

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CULTIVATORS, or HOE HAR-OWS, various patterns.

CORN SHELLERS. for hand and

STRAW AND CHAFF CUTTERS.

corn and cos crushers.

CIDER MILLS.

SAUSAGE MEAT CUTTERS. " STUFFERS.

FARMERS' POPTABLE FUR- crops,

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NACES AND BOILERS.

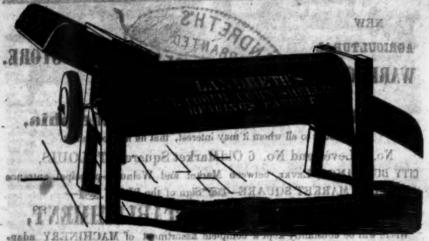
FANNING MILLS.

CHEESE and LARD PRESSES CHURNS, most approved.

ROOT CUTTERS, for preparing Beets, Turnips, &c., for Cattle,

DRILLS, forFarm and GarEn, REVOLVING HAY RAKES.

And nearly all IMPLEMENTS adapted the tillage of the soil and harvesting



This machine was patented, in 1860, and it new for the first introduced into the West. It is of extraordinary active and is analousefully destined to rafik with the Mowers and Reapers which tavorably exhibited the investive genus and American people. Whith is two horse validous destrict powers one thousand bushes of corn may be threshed as a part of the corn may be threshed as a corn may read it be accomplished, but it is presumed ONE THOUSAND BUSHELS will gatisty mosteriasment for more may readily be accomplished, but it is presumed ONE THOUSAND BUSHELS will gatisty mosteriasment, the single horse power, one hundred and forty bushels of sars have been shelled within an hour, not assamper ment, the accordinary labor.

Certificates of its capacity and admirable adaptation to the purposes designed, can be seen on application is the mirrigaed, who is sole agent for the sale of the machine in Missouri, Illinois, Iowa and Windowsh.

(WEO. BUEN ET, Jr. AGENT.

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